

Haiping Lu

List of Publications by Year in descending order

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49
papers

2,601
citations

567281

15
h-index

501196

28
g-index

54
all docs

54
docs citations

54
times ranked

2184
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>ERJ Open Research</i> , 2022, 8, 00549-2021.	2.6	7
2	Direct ICA on data tensor via random matrix modeling. <i>Signal Processing</i> , 2022, 196, 108508.	3.7	2
3	Node-Feature Convolution for Graph Convolutional Networks. <i>Pattern Recognition</i> , 2022, 128, 108661.	8.1	12
4	Machine learning cardiac-MRI features predict mortality in newly diagnosed pulmonary arterial hypertension. <i>European Heart Journal Digital Health</i> , 2022, 3, 265-275.	1.7	11
5	Validation of Artificial Intelligence Cardiac MRI Measurements: Relationship to Heart Catheterization and Mortality Prediction. <i>Radiology</i> , 2022, 305, 68-79.	7.3	12
6	Probabilistic Rank-One Tensor Analysis With Concurrent Regularizations. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 3496-3509.	9.5	3
7	Pulmonary Hypertension in Association with Lung Disease: Quantitative CT and Artificial Intelligence to the Rescue? State-of-the-Art Review. <i>Diagnostics</i> , 2021, 11, 679.	2.6	15
8	Neuropsychiatric disease classification using functional connectomics - results of the connectomics in neuroimaging transfer learning challenge. <i>Medical Image Analysis</i> , 2021, 70, 101972.	11.6	17
9	A machine learning cardiac magnetic resonance approach to extract disease features and automate pulmonary arterial hypertension diagnosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 236-245.	1.2	40
10	Side Information Dependence as a Regularizer for Analyzing Human Brain Conditions across Cognitive Experiments. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020, 34, 6957-6964.	4.9	5
11	Geodesically Smoothed Tensor Features for Pulmonary Hypertension Prognosis Using the Heart and Surrounding Tissues. <i>Lecture Notes in Computer Science</i> , 2020, , 253-262.	1.3	6
12	Joint interaction with context operation for collaborative filtering. <i>Pattern Recognition</i> , 2019, 88, 729-738.	8.1	15
13	Feature Extraction for Incomplete Data Via Low-Rank Tensor Decomposition With Feature Regularization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 1803-1817.	11.3	40
14	Rank-One Matrix Completion With Automatic Rank Estimation via L1-Norm Regularization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 4744-4757.	11.3	36
15	Motor Imagery Classification Based on Bilinear Sub-Manifold Learning of Symmetric Positive-Definite Matrices. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 504-516.	4.9	81
16	Tensor Rank Estimation and Completion via CP-based Nuclear Norm. , 2017, , .		13
17	Learning compact binary codes from higher-order tensors via Free-Form Reshaping and Binarized Multilinear PCA. , 2016, , .		0
18	Learning Tensor-Based Features for Whole-Brain fMRI Classification. <i>Lecture Notes in Computer Science</i> , 2015, , 613-620.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Quantifying Limb Movements in Epileptic Seizures Through Color-Based Video Analysis. IEEE Transactions on Biomedical Engineering, 2013, 60, 461-469.	4.2	39
20	Learning Modewise Independent Components from Tensor Data Using Multilinear Mixing Model. Lecture Notes in Computer Science, 2013, , 288-303.	1.3	0
21	Non-intrusive head movement analysis of videotaped seizures of epileptic origin. , 2012, 2012, 6060-3.		9
22	A survey of multilinear subspace learning for tensor data. Pattern Recognition, 2011, 44, 1540-1551.	8.1	342
23	Markerless video analysis for movement quantification in pediatric epilepsy monitoring. , 2011, 2011, 8275-8.		4
24	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
25	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
26	Visualization and clustering of crowd video content in MPCA subspace. , 2010, , .		1
27	Regularized common spatial patterns with generic learning for EEG signal classification. , 2009, 2009, 6599-602.		38
28	Uncorrelated Multilinear Principal Component Analysis for Unsupervised Multilinear Subspace Learning. IEEE Transactions on Neural Networks, 2009, 20, 1820-1836.	4.2	94
29	Boosting Discriminant Learners for Gait Recognition Using MPCA Features. Eurasip Journal on Image and Video Processing, 2009, 2009, 1-11.	2.6	16
30	A Biometric Encryption System for the Self-Exclusion Scenario of Face Recognition. IEEE Systems Journal, 2009, 3, 440-450.	4.6	55
31	Gaussian kernel optimization for pattern classification. Pattern Recognition, 2009, 42, 1237-1247.	8.1	48
32	Face recognition with biometric encryption for privacy-enhancing self-exclusion. , 2009, , .		42
33	Uncorrelated Multilinear Discriminant Analysis With Regularization and Aggregation for Tensor Object Recognition. IEEE Transactions on Neural Networks, 2009, 20, 103-123.	4.2	152
34	MPCA: Multilinear Principal Component Analysis of Tensor Objects. IEEE Transactions on Neural Networks, 2008, 19, 18-39.	4.2	739
35	Uncorrelated multilinear principal component analysis through successive variance maximization. , 2008, , .		15
36	A Full-Body Layered Deformable Model for Automatic Model-Based Gait Recognition. Eurasip Journal on Advances in Signal Processing, 2007, 2008, .	1.7	28

#	ARTICLE	IF	CITATIONS
37	Uncorrelated Multilinear Discriminant Analysis with Regularization for Gait Recognition. , 2007, , .		7
38	Boosting LDA with Regularization on MPCA Features for Gait Recognition. , 2007, , .		8
39	Gait Recognition Through MPCA Plus LDA. , 2006, , .		6
40	Multilinear Principal Component Analysis of Tensor Objects for Recognition. , 2006, , .		16
41	Coarse-to-Fine Pedestrian Localization and Silhouette Extraction for the Gait Challenge Data Sets. , 2006, , .		9
42	Distance-Reciprocal Distortion Measure for Binary Document Images. IEEE Signal Processing Letters, 2004, 11, 228-231.	3.6	189
43	Binary image watermarking through biased binarization. , 2003, , .		5
44	Effective and efficient fingerprint image postprocessing. , 0, , .		1
45	An objective distortion measure for binary document images based on human visual perception. , 0, , .		16
46	Watermark embedding in DC components of DCT for binary images. , 0, , .		18
47	Secure data hiding in binary document images for authentication. , 0, , .		22
48	A Layered Deformable Model for Gait Analysis. , 0, , .		16
49	A Taxonomy of Emerging Multilinear Discriminant Analysis Solutions for Biometric Signal Recognition. , 0, , 21-45.		7