

Zhirong Yang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

760
citations

759055

12
h-index

552653

26
g-index

41
all docs

41
docs citations

41
times ranked

976
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear and Nonlinear Projective Nonnegative Matrix Factorization. IEEE Transactions on Neural Networks, 2010, 21, 734-749.	4.8	219
2	Global and regional dissemination and evolution of Burkholderia pseudomallei. Nature Microbiology, 2017, 2, 16263.	5.9	124
3	Unified Development of Multiplicative Algorithms for Linear and Quadratic Nonnegative Matrix Factorization. IEEE Transactions on Neural Networks, 2011, 22, 1878-1891.	4.8	52
4	PROJECTIVE NON-NEGATIVE MATRIX FACTORIZATION WITH APPLICATIONS TO FACIAL IMAGE PROCESSING. International Journal of Pattern Recognition and Artificial Intelligence, 2007, 21, 1353-1362.	0.7	39
5	Multiplicative updates for non-negative projections. Neurocomputing, 2007, 71, 363-373.	3.5	38
6	A System-Level Model for Runtime Power Estimation on Mobile Devices. , 2010, , .		37
7	PANINI: Pangenome Neighbour Identification for Bacterial Populations. Microbial Genomics, 2019, 5, .	1.0	27
8	Quadratic nonnegative matrix factorization. Pattern Recognition, 2012, 45, 1500-1510.	5.1	25
9	A 91-Channel Hyperspectral LiDAR for Coal/Rock Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1052-1056.	1.4	23
10	Kullback-Leibler Divergence for Nonnegative Matrix Factorization. Lecture Notes in Computer Science, 2011, , 250-257.	1.0	23
11	Learning the Information Divergence. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1442-1454.	9.7	17
12	Feasibility Study on Hyperspectral LiDAR for Ancient Huizhou-Style Architecture Preservation. Remote Sensing, 2020, 12, 88.	1.8	17
13	Principal whitened gradient for information geometry. Neural Networks, 2008, 21, 232-240.	3.3	13
14	Affective Abstract Image Classification and Retrieval Using Multiple Kernel Learning. Lecture Notes in Computer Science, 2013, , 166-175.	1.0	12
15	Improving cluster analysis by co-initializations. Pattern Recognition Letters, 2014, 45, 71-77.	2.6	10
16	Automatic Rank Determination in Projective Nonnegative Matrix Factorization. Lecture Notes in Computer Science, 2010, , 514-521.	1.0	10
17	Understanding emotional impact of images using Bayesian multiple kernel learning. Neurocomputing, 2015, 165, 3-13.	3.5	9
18	Doubly Stochastic Neighbor Embedding on Spheres. Pattern Recognition Letters, 2019, 128, 100-106.	2.6	9

#	ARTICLE	IF	CITATIONS
19	Regularized Neighborhood Component Analysis. , 2007, , 253-262.		9
20	Multiplicative updates for t-SNE. , 2010, , .		5
21	Multiplicative Updates for Learning with Stochastic Matrices. Lecture Notes in Computer Science, 2013, , 143-152.	1.0	5
22	Adaptive multiplicative updates for quadratic nonnegative matrix factorization. Neurocomputing, 2014, 134, 206-213.	3.5	5
23	Partial Relevance in Interactive Facial Image Retrieval. Lecture Notes in Computer Science, 2005, , 216-225.	1.0	5
24	Adaptive Multiplicative Updates for Projective Nonnegative Matrix Factorization. Lecture Notes in Computer Science, 2012, , 277-284.	1.0	5
25	Online Projective Nonnegative Matrix Factorization for Large Datasets. Lecture Notes in Computer Science, 2012, , 285-290.	1.0	5
26	Orthogonal nonnegative learning for sparse feature extraction and approximate combinatorial optimization. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2010, 5, 261-273.	0.6	4
27	Selecting \hat{l}^2 -Divergence for Nonnegative Matrix Factorization by Score Matching. Lecture Notes in Computer Science, 2012, , 419-426.	1.0	3
28	Sparse factorization of square matrices with application to neural attention modeling. Neural Networks, 2022, 152, 160-168.	3.3	3
29	Projective Nonnegative Matrix Factorization with \hat{l}^{\pm} -Divergence. Lecture Notes in Computer Science, 2009, , 20-29.	1.0	2
30	Predicting Emotional States of Images Using Bayesian Multiple Kernel Learning. Lecture Notes in Computer Science, 2013, , 274-282.	1.0	2
31	Approximated Geodesic Updates with Principal Natural Gradients. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	1
32	Face Recognition Using Parzenfaces. Lecture Notes in Computer Science, 2007, , 200-209.	1.0	0
33	Nonadditive optimization. , 2015, , 95-103.		0
34	Approximated Classification in Interactive Facial Image Retrieval. Lecture Notes in Computer Science, 2005, , 770-779.	1.0	0
35	A Fast Fixed-Point Algorithm for Two-Class Discriminative Feature Extraction. Lecture Notes in Computer Science, 2006, , 330-339.	1.0	0
36	Informative Laplacian Projection. Lecture Notes in Computer Science, 2009, , 359-368.	1.0	0

#	ARTICLE	IF	CITATIONS
37	Pairwise Clustering with t-PLSI. Lecture Notes in Computer Science, 2012, , 411-418.	1.0	0
38	Denosing Cluster Analysis. Lecture Notes in Computer Science, 2015, , 435-442.	1.0	0
39	Word Embedding Based on Low-Rank Doubly Stochastic Matrix Decomposition. Lecture Notes in Computer Science, 2018, , 90-100.	1.0	0
40	Distribution and gradient constrained embedding model for zero-shot learning with fewer seen samples. Knowledge-Based Systems, 2022, , 109218.	4.0	0