Mingsheng Shang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5757412/publications.pdf

Version: 2024-02-01

43 papers	2,016 citations	361296 20 h-index	345118 36 g-index
43 all docs	43 docs citations	43 times ranked	956 citing authors

#	Article	IF	Citations
1	An Inherently Nonnegative Latent Factor Model for High-Dimensional and Sparse Matrices from Industrial Applications. IEEE Transactions on Industrial Informatics, 2018, 14, 2011-2022.	7.2	170
2	A Fast Non-Negative Latent Factor Model Based on Generalized Momentum Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 610-620.	5.9	140
3	A Novel Approach to Extracting Non-Negative Latent Factors From Non-Negative Big Sparse Matrices. IEEE Access, 2016, 4, 2649-2655.	2.6	130
4	Symmetric and Nonnegative Latent Factor Models for Undirected, High-Dimensional, and Sparse Networks in Industrial Applications. IEEE Transactions on Industrial Informatics, 2017, 13, 3098-3107.	7.2	128
5	A Deep Latent Factor Model for High-Dimensional and Sparse Matrices in Recommender Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4285-4296.	5.9	127
6	Algorithms of Unconstrained Non-Negative Latent Factor Analysis for Recommender Systems. IEEE Transactions on Big Data, 2021, 7, 227-240.	4.4	125
7	A Data-Characteristic-Aware Latent Factor Model for Web Services QoS Prediction. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	4.0	108
8	Randomized latent factor model for high-dimensional and sparse matrices from industrial applications. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 131-141.	8.5	103
9	Activated Gradients for Deep Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2156-2168.	7.2	94
10	Non-Negativity Constrained Missing Data Estimation for High-Dimensional and Sparse Matrices from Industrial Applications. IEEE Transactions on Cybernetics, 2020, 50, 1844-1855.	6.2	90
11	An L ₁-and-L ₂-Norm-Oriented Latent Factor Model for Recommender Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5775-5788.	7.2	84
12	An Instance-Frequency-Weighted Regularization Scheme for Non-Negative Latent Factor Analysis on High-Dimensional and Sparse Data. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3522-3532.	5.9	78
13	A Highly Accurate Framework for Self-Labeled Semisupervised Classification in Industrial Applications. IEEE Transactions on Industrial Informatics, 2018, 14, 909-920.	7.2	74
14	A Posterior-Neighborhood-Regularized Latent Factor Model for Highly Accurate Web Service QoS Prediction. IEEE Transactions on Services Computing, 2022, 15, 793-805.	3.2	70
15	Highly-Accurate Community Detection via Pointwise Mutual Information-Incorporated Symmetric Non-Negative Matrix Factorization. IEEE Transactions on Network Science and Engineering, 2021, 8, 463-476.	4.1	70
16	Efficient Extraction of Non-negative Latent Factors from High-Dimensional and Sparse Matrices in Industrial Applications. , 2016, , .		55
17	Non-Negative Latent Factor Model Based on Î²-Divergence for Recommender Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4612-4623.	5.9	53
18	Large-scale and Scalable Latent Factor Analysis via Distributed Alternative Stochastic Gradient Descent for Recommender Systems. IEEE Transactions on Big Data, 2020, , 1-1.	4.4	49

#	Article	IF	Citations
19	A Multilayered-and-Randomized Latent Factor Model for High-Dimensional and Sparse Matrices. IEEE Transactions on Big Data, 2022, 8, 784-794.	4.4	42
20	Long-term performance of collaborative filtering based recommenders in temporally evolving systems. Neurocomputing, 2017, 267, 635-643.	3.5	31
21	DCCR: Deep Collaborative Conjunctive Recommender for Rating Prediction. IEEE Access, 2019, 7, 60186-60198.	2.6	28
22	A momentum-incorporated latent factorization of tensors model for temporal-aware QoS missing data prediction. Neurocomputing, 2019, 367, 299-307.	3.5	18
23	A Generalized and Fast-converging Non-negative Latent Factor Model for Predicting User Preferences in Recommender Systems. , 2020, , .		17
24	Distributed Competition of Multi-Robot Coordination Under Variable and Switching Topologies. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3575-3586.	3.4	17
25	Lower limb movement intention recognition for rehabilitation robot aided with projected recurrent neural network. Complex & Intelligent Systems, 2022, 8, 2813-2824.	4.0	15
26	Performance of latent factor models with extended linear biases. Knowledge-Based Systems, 2017, 123, 128-136.	4.0	13
27	Popularity and Novelty Dynamics in Evolving Networks. Scientific Reports, 2018, 8, 6332.	1.6	13
28	A Data-Aware Latent Factor Model for Web Service QoS Prediction. Lecture Notes in Computer Science, 2019, , 384-399.	1.0	11
29	BALFA: A brain storm optimization-based adaptive latent factor analysis model. Information Sciences, 2021, 578, 913-929.	4.0	11
30	Adjusted stochastic gradient descent for latent factor analysis. Information Sciences, 2022, 588, 196-213.	4.0	10
31	Momentum-Incorporated Symmetric Non-Negative Latent Factor Models. IEEE Transactions on Big Data, 2022, 8, 1096-1106.	4.4	8
32	Dynamic Neural Network for Bicriteria Weighted Control of Robot Manipulators. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4570-4583.	7.2	8
33	Emerging trends in evolving networks: Recent behaviour dominant and non-dominant model. Physica A: Statistical Mechanics and Its Applications, 2017, 484, 506-515.	1.2	7
34	Computational Neural Dynamics Model for Time-Variant Constrained Nonlinear Optimization Applied to Winner-Take-All Operation. IEEE Transactions on Industrial Informatics, 2022, 18, 5936-5948.	7.2	6
35	Toward Auto-Learning Hyperparameters for Deep Learning-Based Recommender Systems. Lecture Notes in Computer Science, 2022, , 323-331.	1.0	6
36	A Pseudoinversion-Free Method for Weight Updating in Broad Learning System. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 2378-2389.	7.2	3

#	Article	IF	Citations
37	MCFL: multi-label contrastive focal loss for deep imbalanced pedestrian attribute recognition. Neural Computing and Applications, 2022, 34, 16701-16715.	3.2	2
38	A Fast Autoencoder-based Recommender. , 2019, , .		1
39	Dynamical Conventional Neural Network Channel Pruning by Genetic Wavelet Channel Search for Image Classification. Frontiers in Computational Neuroscience, 2021, 15, 760554.	1.2	1
40	A Compressed Sensing and Porous 9-7 Wavelet Transform-based Image Fusion Algorithm. , 2020, , .		0
41	RoboNet: a Neural Network Based Kinematic Parameter Identification Model. , 2021, , .		0
42	Chronic Disease Detection Via Non-negative Latent Feature Analysis. , 2021, , .		0
43	An efficient annealing-assisted differential evolution for multi-parameter adaptive latent factor analysis. Journal of Big Data, 2022, 9, .	6.9	0