

Noel Lopes

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

261
citations

1162367

8
h-index

1058022

14
g-index

38
all docs

38
docs citations

38
times ranked

281
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Towards adaptive learning with improved convergence of deep belief networks on graphics processing units. Pattern Recognition, 2014, 47, 114-127. | 5.1 | 53 |
| 2 | AN EVALUATION OF MULTIPLE FEED-FORWARD NETWORKS ON GPUs. International Journal of Neural Systems, 2011, 21, 31-47. | 3.2 | 26 |
| 3 | Deep Belief Networks for Financial Prediction. Lecture Notes in Computer Science, 2011, , 766-773. | 1.0 | 21 |
| 4 | GPU Implementation of the Multiple Back-Propagation Algorithm. Lecture Notes in Computer Science, 2009, , 449-456. | 1.0 | 16 |
| 5 | Restricted Boltzmann Machines and Deep Belief Networks on multi-core processors. , 2012, , . | | 14 |
| 6 | Non-negative Matrix Factorization Implementation Using Graphic Processing Units. Lecture Notes in Computer Science, 2010, , 275-283. | 1.0 | 13 |
| 7 | Machine Learning for Adaptive Many-Core Machines - A Practical Approach. Studies in Big Data, 2015, , . | 0.8 | 13 |
| 8 | GPUMLib: A new Library to combine Machine Learning algorithms with Graphics Processing Units. , 2010, , . | | 12 |
| 9 | Deep Belief Networks (DBNs). Studies in Big Data, 2015, , 155-186. | 0.8 | 10 |
| 10 | On the Impact of Distance Metrics in Instance-Based Learning Algorithms. Lecture Notes in Computer Science, 2015, , 48-56. | 1.0 | 6 |
| 11 | HANDLING MISSING VALUES VIA A NEURAL SELECTIVE INPUT MODEL. Neural Network World, 2012, 22, 357-370. | 0.5 | 6 |
| 12 | An Incremental Class Boundary Preserving Hypersphere Classifier. Lecture Notes in Computer Science, 2011, , 690-699. | 1.0 | 5 |
| 13 | Multi-threaded Support Vector Machines for Pattern Recognition. Lecture Notes in Computer Science, 2012, , 616-623. | 1.0 | 4 |
| 14 | Signature identification via efficient feature selection and GPU-based SVM classifier. , 2014, , . | | 4 |
| 15 | GPU-based fast clustering via K -Centres and k -NN mode seeking for geospatial industry applications. Computers in Industry, 2020, 122, 103260. | 5.7 | 4 |
| 16 | An Incremental Hypersphere Learning Framework for Protein Membership Prediction. Lecture Notes in Computer Science, 2012, , 429-439. | 1.0 | 4 |
| 17 | Incremental Hypersphere Classifier (IHC). Studies in Big Data, 2015, , 107-123. | 0.8 | 4 |
| 18 | A strategy for dealing with missing values by using selective activation neurons in a multi-topology framework. , 2010, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A fast optimized semi-supervised non-negative Matrix Factorization algorithm. , 2011, , . | | 3 |
| 20 | Novel Trends in Scaling Up Machine Learning Algorithms. , 2017, , . | | 3 |
| 21 | Non-Negative Matrix Factorization (NMF). Studies in Big Data, 2015, , 127-154. | 0.8 | 3 |
| 22 | Support Vector Machines (SVMs). Studies in Big Data, 2015, , 85-105. | 0.8 | 3 |
| 23 | Improving recall values in breast cancer diagnosis with Incremental Background Knowledge. , 2010, , . | | 2 |
| 24 | High-performance bankruptcy prediction model using Graphics Processing Units. , 2010, , . | | 2 |
| 25 | Evaluation of a Resource Allocating Network with Long Term Memory Using GPU. Lecture Notes in Computer Science, 2011, , 41-50. | 1.0 | 2 |
| 26 | Improving Convergence of Restricted Boltzmann Machines via a Learning Adaptive Step Size. Lecture Notes in Computer Science, 2012, , 511-518. | 1.0 | 2 |
| 27 | Trading off Distance Metrics vs Accuracy in Incremental Learning Algorithms. Lecture Notes in Computer Science, 2017, , 530-538. | 1.0 | 1 |
| 28 | Towards a hybrid NMF-based neural approach for face recognition on GPUs. International Journal of Data Mining, Modelling and Management, 2012, 4, 138. | 0.1 | 0 |
| 29 | Learning the hash code with generalised regression neural networks for handwritten signature biometric data retrieval. , 2015, , . | | 0 |
| 30 | A Hybrid Face Recognition Approach Using GPULib. Lecture Notes in Computer Science, 2010, , 96-103. | 1.0 | 0 |
| 31 | A Robust Learning Model for Dealing with Missing Values in Many-Core Architectures. Lecture Notes in Computer Science, 2011, , 108-117. | 1.0 | 0 |