**Table 8:** List of final selected studies.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Title** | **Venues** | **Year** | **Citation** |
| [FS1] | Shifu: Deep Learning Based Advisor-advisee Relationship Mining in Scholarly Big Data. | International World Wide Web Conference Committee (IW3C2) (C) | 2017 | 1 |
| [FS2] | GPU-Accelerated Parallel Hierarchical Extreme Learning Machine on Flink for Big Data | IEEE Transactions on Systems, Man, and Cybernetics: Systems | 2017 | 3 |
| [FS3] | Learning deep representation with large-scale attributes | Proceedings of the IEEE International Conference on Computer Vision | 2015 | 13 |
| [FS4] | Large-scale deep learning for computer-aided detection of mammographic lesions | MEDICAL IMAGE ANALYSIS (J) | 2017 | 39 |
| [FS5] | Mining Fashion Outfit Composition Using An End-to-End Deep Learning Approach on Set Data | IEEE TRANSACTIONS ON MULTIMEDIA (J) | 2016 | 4 |
| [FS6] | A novel sparse representation classification face recognition based on deep learning | IEEE Conferences on Ubiquitous Intelligence & Computing, Advanced and Trusted Computing, Scalable Computing and Communications, Cloud and Big Data Computing, Internet of People, and Smart World Congress (c) | 2016 | - |
| [FS7] | T-LRA: Trend-Based Learning Rate Annealing for Deep Neural Networks | IEEE International Conference on Multimedia Big Data BigMM (c) | 2017 |  |
| [FS8] | Adaptive neuron apoptosis for accelerating deep learning on large scale systems | IEEE International Conference on Big Data (Big Data) (c) | 2016 | 3 |
| [FS9] | Retrieval from and Understanding of Large-Scale Multi – modal Medical Datasets : A Review | IEEE TRANSACTIONS ON MULTIMEDIA (J) | 2017 | - |
| [FS10] | Big Data and Deep Analytics Applied to the Common Tactical Air Picture (CTAP) and Combat Identification (CID) | International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management (IC3K 2016) (c) | 2016 | - |
| [FS11] | Mobile Big Data Analytics Using Deep Learning and Apache Spark | IEEE NETWORK (J) | 2016 | 27 |
| [FS12] | Comparison between Multi-Class Classifiers and Deep Learning with Focus on Industry 4.0 | Cybernetics & informatics K$I (C) | 2016 | 1 |
| [FS13] | Deep Neural Networks for Traffic Flow Prediction | International Conference on Big Data and Smart Computing IEEE BigComp (c) | 2017 | 1 |
| [FS14] | Gender Classification by Deep Learning on Millions of Weakly Labelled Images | International Conference on Data Mining Workshops (C) | 2017 | 3 |
| [FS15] | Large Deep Neural Networks for MS Lesion Segmentation | conference-proceedings-of-spie (C) | 2017 | - |
| [FS16] | Deep net architectures for visual-based clothing image recognition on large database | SOFT COMPUTING (J) | 2017 | 1 |
| [FS17] | Deep Computation Model for Unsupervised Feature Learning on Big Data | IEEE TRANSACTIONS ON SERVICES COMPUTING (c) | 2016 | 19 |
| [FS18] | Social Network Analysis of TV Drama Characters via Deep Concept Hierarchies | IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (C) | 2015 | 6 |
| [FS19] | Small boxes big data: A deep learning approach to optimize variable sized bin packing | BigDataService (C) | 2017 | - |
| [FS20] | Big-Data-Generated Traffic Flow Prediction Using Deep Learning and Dempster-Shafer Theory | International Joint Conference on Neural Networks IJCNN (C) | 2016 | 3 |
| [FS21] | Deep learning in remote sensing scene classification: a data augmentation enhanced convolutional neural network framework | GISCIENCE {\&} REMOTE SENSING (J) | 2017 | 2 |
| [FS22] | DP-miRNA: An improved prediction of precursor microRNA using deep learning model | International Conference on Big Data and Smart Computing IEEE BigComp (c) | 2017 | 2 |
| [FS23] | Predicting the Success of Bank Telemarketing using Deep Convolutional Neural Network | The International Conference on Soft Computing and Pattern Recognition SoCPaR (C) | 2015 | 1 |
| [FS24] | A Deep Learning Approach to Android Malware Feature Learning and Detection | IEEE Trustcom/BigDataSE/ISPA (J) | 2016 | 4 |
| [FS25] | Mass detection in digital breast tomosynthesis: Deep convolutional neural network with transfer learning from mammography | MEDICAL PHYSICS (J) | 2016 | 14 |
| [FS26] | A Novel Multimode Fault Classification Method Based on Deep Learning | Journal of Control Science and Engineering (j) | 2017 | 1 |
| [FS27] | Learning Transportation Modes From Smartphone Sensors Based on Deep Neural Network | IEEE SENSORS JOURNAL (J) | 2017 | - |
| [FS28] | Automated IT system failure prediction: A deep learning approach | Big Data (C) | 2016 | 1 |
| [FS29] | Deep Convolutional Computation Model for Feature Learning on Big Data in Internet of Things | IEEE Transactions on Industrial Informatics (J) | 2017 | 1 |
| [FS30] | Fast auto-clean CNN model for online prediction of food materials | Journal of Parallel and Distributed Computing | 2017 | 1 |
| [FS31] | Large-scale restricted Boltzmann machines on single GPU | Big Data (C) | 2013 | 5 |
| [FS32] | Weakly Semi-supervised Deep Learning for Multi-label Image Annotation | IEEE Transactions on Big Data (J) | 2015 | 22 |
| [FS33] | A Novel Left Ventricular Volumes Prediction Method Based on Deep Learning Network in Cardiac MRI | Computing in Cardiology (C) | 2016 | 6 |