# Nitesh V Chawla

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|---|---|---|---|
| 252 papers | 9,880 citations | 44 h-index | 95 g-index |
| 302 ext. papers | 12,759 ext. citations | 3.7 avg, IF | 6.79 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 252 | metapath2vec **2017**, | | 680 |
| 251 | SMOTEBoost: Improving Prediction of the Minority Class in Boosting. *Lecture Notes in Computer Science*, **2003**, 107-119 | 0.9 | 585 |
| 250 | SVMs modeling for highly imbalanced classification. *IEEE Transactions on Systems, Man, and Cybernetics*, **2009**, 39, 281-8 | | 502 |
| 249 | SMOTE for Learning from Imbalanced Data: Progress and Challenges, Marking the 15-year Anniversary. *Journal of Artificial Intelligence Research*,61, 863-905 | 4 | 415 |
| 248 | New perspectives and methods in link prediction **2010**, | | 351 |
| 247 | A unifying view on dataset shift in classification. *Pattern Recognition*, **2012**, 45, 521-530 | 7.7 | 299 |
| 246 | Data Mining for Imbalanced Datasets: An Overview **2005**, 853-867 | | 252 |
| 245 | Bringing big data to personalized healthcare: a patient-centered framework. *Journal of General Internal Medicine*, **2013**, 28 Suppl 3, S660-5 | 4 | 251 |
| 244 | Data Mining for Imbalanced Datasets: An Overview **2009**, 875-886 | | 239 |
| 243 | Heterogeneous Graph Neural Network **2019**, | | 206 |
| 242 | Automatically countering imbalance and its empirical relationship to cost. *Data Mining and Knowledge Discovery*, **2008**, 17, 225-252 | 5.6 | 161 |
| 241 | Big Data Opportunities and Challenges: Discussions from Data Analytics Perspectives [Discussion Forum]. *IEEE Computational Intelligence Magazine*, **2014**, 9, 62-74 | 5.6 | 143 |
| 240 | Hellinger distance decision trees are robust and skew-insensitive. *Data Mining and Knowledge Discovery*, **2012**, 24, 136-158 | 5.6 | 135 |
| 239 | Identifying and evaluating community structure in complex networks. *Pattern Recognition Letters*, **2010**, 31, 413-421 | 4.7 | 134 |
| 238 | Learning from streaming data with concept drift and imbalance: an overview. *Progress in Artificial Intelligence*, **2012**, 1, 89-101 | 4 | 132 |
| 237 | When will it happen? **2012**, | | 130 |
| 236 | Automated epileptic seizure detection using improved correlation-based feature selection with random forest classifier. *Neurocomputing*, **2017**, 241, 204-214 | 5.4 | 120 |

| | | | |
|---|---|---|---|
| 235 | Link Prediction and Recommendation across Heterogeneous Social Networks **2012**, | | 117 |
| 234 | Inferring user demographics and social strategies in mobile social networks **2014**, | | 108 |
| 233 | Evaluating link prediction methods. *Knowledge and Information Systems*, **2015**, 45, 751-782 | 2.4 | 106 |
| 232 | An insight into imbalanced Big Data classification: outcomes and challenges. *Complex & Intelligent Systems*, **2017**, 3, 105-120 | 7.1 | 101 |
| 231 | A Deep Neural Network for Unsupervised Anomaly Detection and Diagnosis in Multivariate Time Series Data. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2019**, 33, 1409-1416 | 5 | 100 |
| 230 | Time to CARE: a collaborative engine for practical disease prediction. *Data Mining and Knowledge Discovery*, **2010**, 20, 388-415 | 5.6 | 90 |
| 229 | Multivariate and multiscale dependence in the global climate system revealed through complex networks. *Climate Dynamics*, **2012**, 39, 889-895 | 4.2 | 89 |
| 228 | Learning Decision Trees for Unbalanced Data. *Lecture Notes in Computer Science*, **2008**, 241-256 | 0.9 | 85 |
| 227 | Complex networks as a unified framework for descriptive analysis and predictive modeling in climate science. *Statistical Analysis and Data Mining*, **2011**, 4, 497-511 | 1.4 | 83 |
| 226 | Multi-relational Link Prediction in Heterogeneous Information Networks **2011**, | | 72 |
| 225 | Representing higher-order dependencies in networks. *Science Advances*, **2016**, 2, e1600028 | 14.3 | 72 |
| 224 | A Robust Decision Tree Algorithm for Imbalanced Data Sets **2010**, | | 68 |
| 223 | A study in machine learning from imbalanced data for sentence boundary detection in speech. *Computer Speech and Language*, **2006**, 20, 468-494 | 2.8 | 67 |
| 222 | Classification and knowledge discovery in protein databases. *Journal of Biomedical Informatics*, **2004**, 37, 224-39 | 10.2 | 64 |
| 221 | Learning to predict gender from iris images **2007**, | | 59 |
| 220 | Predicting individual disease risk based on medical history **2008**, | | 55 |
| 219 | Predicting Links in Multi-relational and Heterogeneous Networks **2012**, | | 54 |
| 218 | Network analysis of team structure in the neonatal intensive care unit. *Pediatrics*, **2010**, 125, e1460-7 | 7.4 | 54 |

| | | | |
|---|---|---|---|
| 217 | Exploring and exploiting disease interactions from multi-relational gene and phenotype networks. *PLoS ONE*, **2011**, 6, e22670 | 3.7 | 54 |
| 216 | Can Scientific Impact Be Predicted?. *IEEE Transactions on Big Data*, **2016**, 2, 18-30 | 3.2 | 52 |
| 215 | Supervised methods for multi-relational link prediction. *Social Network Analysis and Mining*, **2013**, 3, 127-141 | 2.4 | 52 |
| 214 | Community Detection in a Large Real-World Social Network **2008**, 168-175 | | 52 |
| 213 | Predictors of short-term decay of cell phone contacts in a large scale communication network. *Social Networks*, **2011**, 33, 245-257 | 3.9 | 49 |
| 212 | An exploration of climate data using complex networks. *SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining*, **2010**, 12, 25-32 | 4.6 | 48 |
| 211 | A framework for monitoring classifiers performance: when and why failure occurs?. *Knowledge and Information Systems*, **2009**, 18, 83-108 | 2.4 | 48 |
| 210 | Information Gain, Correlation and Support Vector Machines. *Studies in Fuzziness and Soft Computing* , **2006**, 463-470 | 0.7 | 47 |
| 209 | Market basket analysis with networks. *Social Network Analysis and Mining*, **2011**, 1, 97-113 | 2.2 | 42 |
| 208 | A network's gender composition and communication pattern predict women's leadership success. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 2033-2038 | 11.5 | 40 |
| 207 | CoupledLP **2015**, | | 40 |
| 206 | A Review on Quantification Learning. *ACM Computing Surveys*, **2017**, 50, 1-40 | 13.4 | 39 |
| 205 | Imbalanced Datasets: From Sampling to Classifiers **2013**, 43-59 | | 37 |
| 204 | Distributed learning with bagging-like performance. *Pattern Recognition Letters*, **2003**, 24, 455-471 | 4.7 | 37 |
| 203 | DeepCrime **2018**, | | 35 |
| 202 | Vertex collocation profiles **2012**, | | 33 |
| 201 | Link Prediction: Fair and Effective Evaluation **2012**, | | 33 |
| 200 | MOOC Dropout Prediction **2017**, | | 32 |

| | | | |
|---|---|---|---|
| 199 | Will This Paper Increase Your h -index? **2015**, | | 32 |
| 198 | Differentiating Higher and Lower Job Performers in the Workplace Using Mobile Sensing **2019**, 3, 1-24 | | 30 |
| 197 | The Tesserae Project **2019**, | | 30 |
| 196 | SHNE **2019**, | | 30 |
| 195 | Range-limited centrality measures in complex networks. *Physical Review E*, **2012**, 85, 066103 | 2.4 | 30 |
| 194 | Scaling up Classifiers to Cloud Computers **2008**, | | 30 |
| 193 | Enhanced Situational Awareness: Application of DDDAS Concepts to Emergency and Disaster Management. *Lecture Notes in Computer Science*, **2007**, 1090-1097 | 0.9 | 27 |
| 192 | Building Decision Trees for the Multi-class Imbalance Problem. *Lecture Notes in Computer Science*, **2012**, 122-134 | 0.9 | 27 |
| 191 | Start Globally, Optimize Locally, Predict Globally: Improving Performance on Imbalanced Data **2008** , | | 26 |
| 190 | Learning from Imbalanced Data: Evaluation Matters. *Intelligent Systems Reference Library*, **2012**, 315-331 | 0.8 | 25 |
| 189 | Adaptive Methods for Classification in Arbitrarily Imbalanced and Drifting Data Streams. *Lecture Notes in Computer Science*, **2010**, 53-75 | 0.9 | 24 |
| 188 | Towards Time-Sensitive Truth Discovery in Social Sensing Applications **2015**, | | 23 |
| 187 | An Incremental Learning Algorithm for Non-stationary Environments and Class Imbalance **2010**, | | 23 |
| 186 | Neural Tensor Factorization for Temporal Interaction Learning **2019**, | | 23 |
| 185 | Does Medical School Training Relate to Practice? Evidence from Big Data. *Big Data*, **2015**, 3, 103-113 | 3.1 | 22 |
| 184 | MiST: A Multiview and Multimodal Spatial-Temporal Learning Framework for Citywide Abnormal Event Forecasting **2019**, | | 22 |
| 183 | Reliable medical recommendation systems with patient privacy. *ACM Transactions on Intelligent Systems and Technology*, **2013**, 4, 1-31 | 8 | 22 |
| 182 | Social Media as a Passive Sensor in Longitudinal Studies of Human Behavior and Wellbeing **2019**, | | 21 |

| | | | |
|---|---|---|---|
| 181 | Engagement vs Performance: Using Electronic Portfolios to Predict First Semester Engineering Student Persistence. *Journal of Learning Analytics*, **2015**, 1, 7-33 | 3.1 | 21 |
| 180 | Engagement vs performance **2014**, | | 21 |
| 179 | Heuristic Updatable Weighted Random Subspaces for Non-stationary Environments **2011**, | | 21 |
| 178 | Storing and using health data in a virtual private cloud. *Journal of Medical Internet Research*, **2013**, 15, e63 | 7.6 | 21 |
| 177 | Will Triadic Closure Strengthen Ties in Social Networks?. *ACM Transactions on Knowledge Discovery From Data*, **2018**, 12, 1-25 | 4 | 20 |
| 176 | Anomaly detection in a mobile communication network. *Computational and Mathematical Organization Theory*, **2007**, 13, 407-422 | 2.1 | 20 |
| 175 | Exploiting Diversity in Ensembles: Improving the Performance on Unbalanced Datasets **2007**, 397-406 | | 20 |
| 174 | A Network-Based Approach to Understanding and Predicting Diseases **2009**, 1-8 | | 20 |
| 173 | Online Purchase Prediction via Multi-Scale Modeling of Behavior Dynamics **2019**, | | 19 |
| 172 | A dyadic reciprocity index for repeated interaction networks*. *Network Science*, **2013**, 1, 31-48 | 2.9 | 19 |
| 171 | Inferring Unusual Crowd Events from Mobile Phone Call Detail Records. *Lecture Notes in Computer Science*, **2015**, 474-492 | 0.9 | 19 |
| 170 | Few-Shot Knowledge Graph Completion. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2020**, 34, 3041-3048 | 5 | 18 |
| 169 | RESTFul **2018**, | | 18 |
| 168 | Camel **2018**, | | 17 |
| 167 | . *IEEE Transactions on Knowledge and Data Engineering*, **2019**, 31, 1369-1382 | 4.2 | 17 |
| 166 | Improving management of aquatic invasions by integrating shipping network, ecological, and environmental data **2014**, | | 17 |
| 165 | Hearthholds of mobile money in western Kenya. *Economic Anthropology (Hoboken, N J )*, **2016**, 3, 266-279 | 1.1 | 16 |
| 164 | A Survey of Tablet Applications for Promoting Successful Aging in Older Adults. *IEEE Access*, **2016**, 4, 9005-9017 | 3.5 | 16 |

| | | | |
|---|---|---|---|
| 163 | User Modeling on Demographic Attributes in Big Mobile Social Networks. *ACM Transactions on Information Systems*, **2017**, 35, 1-33 | 4.8 | 15 |
| 162 | Exploring Compliance **2017**, | | 15 |
| 161 | Visualizing graph dynamics and similarity for enterprise network security and management **2010**, | | 15 |
| 160 | Physical activity and sedentary behavior can modulate the effect of the PNPLA3 variant on childhood NAFLD: a case-control study in a Chinese population. *BMC Medical Genetics*, **2016**, 17, 90 | 2.1 | 14 |
| 159 | Why is quantification an interesting learning problem?. *Progress in Artificial Intelligence*, **2017**, 6, 53-58 | 4 | 14 |
| 158 | A Private and Reliable Recommendation System for Social Networks **2010**, | | 14 |
| 157 | UAPD: Predicting Urban Anomalies from Spatial-Temporal Data. *Lecture Notes in Computer Science*, **2017**, 622-638 | 0.9 | 14 |
| 156 | Generating Diverse Ensembles to Counter the Problem of Class Imbalance. *Lecture Notes in Computer Science*, **2010**, 488-499 | 0.9 | 14 |
| 155 | Graph Few-Shot Learning via Knowledge Transfer. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2020**, 34, 6656-6663 | 5 | 14 |
| 154 | Predicting node degree centrality with the node prominence profile. *Scientific Reports*, **2014**, 4, 7236 | 4.9 | 13 |
| 153 | Deviations from normal bedtimes are associated with short-term increases in resting heart rate. *Npj Digital Medicine*, **2020**, 3, 39 | 15.7 | 13 |
| 152 | Multi-Type Itemset Embedding for Learning Behavior Success **2018**, | | 13 |
| 151 | Reliable medical recommendation systems with patient privacy **2010**, | | 13 |
| 150 | Higher-order patterns of aquatic species spread through the global shipping network. *PLoS ONE*, **2020**, 15, e0220353 | 3.7 | 13 |
| 149 | . *IEEE Transactions on Big Data*, **2020**, 6, 702-713 | 3.2 | 13 |
| 148 | Editorial IEEE Transactions on Neural Networks and Learning Systems 2016 and Beyond. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 1-7 | 10.3 | 12 |
| 147 | Consequences of Variability in Classifier Performance Estimates **2010**, | | 12 |
| 146 | Learning in non-stationary environments with class imbalance **2012**, | | 12 |

| | | | |
|---|---|---|---|
| 145 | An exploration of climate data using complex networks **2009**, | | 12 |
| 144 | A Multisensor Person-Centered Approach to Understand the Role of Daily Activities in Job Performance with Organizational Personas **2019**, 3, 1-27 | | 12 |
| 143 | Social network structure is predictive of health and wellness. *PLoS ONE*, **2019**, 14, e0217264 | 3.7 | 11 |
| 142 | DisNet: A Framework for Distributed Graph Computation **2011**, | | 11 |
| 141 | Wrapper-based computation and evaluation of sampling methods for imbalanced datasets **2005**, | | 11 |
| 140 | Collaboration Signatures Reveal Scientific Impact **2015**, | | 10 |
| 139 | Scaling and contextualizing personalized healthcare: A case study of disease prediction algorithm integration. *Journal of Biomedical Informatics*, **2015**, 57, 377-85 | 10.2 | 10 |
| 138 | Vertex collocation profiles: theory, computation, and results. *SpringerPlus*, **2014**, 3, 116 | | 10 |
| 137 | Species distribution modeling and prediction: A class imbalance problem **2012**, | | 10 |
| 136 | An Ensemble Topic Model for Sharing Healthcare Data and Predicting Disease Risk **2013**, | | 10 |
| 135 | DeepSMOTE: Fusing Deep Learning and SMOTE for Imbalanced Data.. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, PP, | 10.3 | 10 |
| 134 | Hierarchically Structured Transformer Networks for Fine-Grained Spatial Event Forecasting **2020**, | | 10 |
| 133 | Task-Guided and Semantic-Aware Ranking for Academic Author-Paper Correlation Inference **2018**, | | 10 |
| 132 | Convergence Analysis of Iterated Belief Revision in Complex Fusion Environments. *IEEE Journal on Selected Topics in Signal Processing*, **2014**, 8, 598-612 | 7.5 | 9 |
| 131 | Using HDDT to avoid instances propagation in unbalanced and evolving data streams **2014**, | | 9 |
| 130 | Comparing Predictive Power in Climate Data: Clustering Matters. *Lecture Notes in Computer Science*, **2011**, 39-55 | 0.9 | 9 |
| 129 | Modeling a Store's Product Space as a Social Network **2009**, | | 9 |
| 128 | **2007**, | | 9 |

| | | | |
|---|---|---|---|
| 127 | Designing Multiple Classifier Systems for Face Recognition. *Lecture Notes in Computer Science*, **2005**, 407-416 | 0.9 | 9 |
| 126 | Rs12970134 near MC4R is associated with appetite and beverage intake in overweight and obese children: A family-based association study in Chinese population. *PLoS ONE*, **2017**, 12, e0177983 | 3.7 | 9 |
| 125 | Insights into Population Health Management Through Disease Diagnoses Networks. *Scientific Reports*, **2016**, 6, 30465 | 4.9 | 9 |
| 124 | Predicting onset of complications from diabetes: a graph based approach. *Applied Network Science*, **2018**, 3, 48 | 2.9 | 9 |
| 123 | Integrated Closed-loop Learning Analytics Scheme in a First Year Experience Course **2019**, | | 8 |
| 122 | Link Prediction in a Semi-bipartite Network for Recommendation. *Lecture Notes in Computer Science*, **2016**, 127-135 | 0.9 | 8 |
| 121 | The Role of "Condition" **2019**, | | 8 |
| 120 | Reliable fake review detection via modeling temporal and behavioral patterns **2017**, | | 8 |
| 119 | Inferring social status and rich club effects in enterprise communication networks. *PLoS ONE*, **2015**, 10, e0119446 | 3.7 | 8 |
| 118 | Link prediction in human mobility networks **2013**, | | 8 |
| 117 | Troubleshooting thousands of jobs on production grids using data mining techniques **2008**, | | 8 |
| 116 | Calendar Graph Neural Networks for Modeling Time Structures in Spatiotemporal User Behaviors **2020**, | | 8 |
| 115 | **2016**, | | 8 |
| 114 | Mining the Clinical Narrative: All Text are Not Equal **2016**, | | 8 |
| 113 | Imputing Missing Social Media Data Stream in Multisensor Studies of Human Behavior **2019**, | | 8 |
| 112 | SMOTEBoost for Regression: Improving the Prediction of Extreme Values **2018**, | | 8 |
| 111 | Semantic Flow Graph: A Framework for Discovering Object Relationships in Flow Fields. *IEEE Transactions on Visualization and Computer Graphics*, **2018**, 24, 3200-3213 | 4 | 7 |
| 110 | Detecting communities in time-evolving proximity networks **2011**, | | 7 |

| | | | |
|---|---|---|---|
| 109 | Analyzing PETs on Imbalanced Datasets When Training and Testing Class Distributions Differ **2008**, 519-526 | | 7 |
| 108 | Efficient modeling of higher-order dependencies in networks: from algorithm to application for anomaly detection. *EPJ Data Science*, **2020**, 9, | 3.4 | 7 |
| 107 | Structural Diversity and Homophily **2017**, | | 7 |
| 106 | Beyond Volume: The Impact of Complex Healthcare Data on the Machine Learning Pipeline. *Lecture Notes in Computer Science*, **2017**, 150-169 | 0.9 | 7 |
| 105 | Multi-Label Patent Categorization with Non-Local Attention-Based Graph Convolutional Network. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2020**, 34, 9024-9031 | 5 | 7 |
| 104 | Exploring Time-Varying Multivariate Volume Data Using Matrix of Isosurface Similarity Maps. *IEEE Transactions on Visualization and Computer Graphics*, **2018**, | 4 | 7 |
| 103 | Many Are Better Than One: Improving Probabilistic Estimates from Decision Trees. *Lecture Notes in Computer Science*, **2006**, 41-55 | 0.9 | 7 |
| 102 | Filling Missing Values on Wearable-Sensory Time Series Data **2020**, 46-54 | | 6 |
| 101 | Harvesting Social Signals to Inform Peace Processes Implementation and Monitoring. *Big Data*, **2017**, 5, 337-355 | 3.1 | 6 |
| 100 | Is Objective Function the Silver Bullet? A Case Study of Community Detection Algorithms on Social Networks **2011**, | | 6 |
| 99 | Authentication anomaly detection **2007**, | | 6 |
| 98 | Network analysis of ballast-mediated species transfer reveals important introduction and dispersal patterns in the Arctic. *Scientific Reports*, **2020**, 10, 19558 | 4.9 | 6 |
| 97 | Few-Shot Graph Learning for Molecular Property Prediction **2021**, | | 6 |
| 96 | Jointly Predicting Job Performance, Personality, Cognitive Ability, Affect, and Well-Being. *IEEE Computational Intelligence Magazine*, **2021**, 16, 46-61 | 5.6 | 6 |
| 95 | From Design to Development to Evaluation of a Pregnancy App for Low-Income Women in a Community-Based Setting **2019**, | | 6 |
| 94 | Human interaction in the NICU and its association with outcomes on the Brief Infant-Toddler Social and Emotional Assessment (BITSEA). *Early Human Development*, **2018**, 127, 6-14 | 2.2 | 6 |
| 93 | Analysis of link formation, persistence and dissolution in NetSense data **2016**, | | 5 |
| 92 | TUBE **2019**, | | 5 |

| | | | |
|---|---|---|---|
| 91 | A supervised learning approach to the ensemble clustering of genes. *International Journal of Data Mining and Bioinformatics*, **2014**, 9, 199-219 | 0.5 | 5 |
| 90 | Influence of Personal Preferences on Link Dynamics in Social Networks. *Complexity*, **2017**, 2017, 1-12 | 1.6 | 5 |
| 89 | Empirical comparison of correlation measures and pruning levels in complex networks representing the global climate system **2011**, | | 5 |
| 88 | Prediction of fine-tuned promoter activity from DNA sequence. *F1000Research*, **2016**, 5, 158 | 3.6 | 5 |
| 87 | Physical Activity Trend eXtraction: A Framework for Extracting Moderate-Vigorous Physical Activity Trends From Wearable Fitness Tracker Data. *JMIR MHealth and UHealth*, **2019**, 7, e11075 | 5.5 | 5 |
| 86 | Will This Paper Increase Your h-index?. *Lecture Notes in Computer Science*, **2015**, 259-263 | 0.9 | 5 |
| 85 | How Long Will She Call Me? Distribution, Social Theory and Duration Prediction. *Lecture Notes in Computer Science*, **2013**, 16-31 | 0.9 | 5 |
| 84 | HONEM: Learning Embedding for Higher Order Networks. *Big Data*, **2020**, 8, 255-269 | 3.1 | 5 |
| 83 | Predicting Cardiovascular Risk in Athletes: Resampling Improves Classification Performance. *International Journal of Environmental Research and Public Health*, **2020**, 17, | 4.6 | 5 |
| 82 | eSeniorCare: Technology for Promoting Well-Being of Older Adults in Independent Living Facilities **2016**, | | 5 |
| 81 | Who will Attend This Event Together? Event Attendance Prediction via Deep LSTM Networks **2018**, 180-188 | | 5 |
| 80 | Examining the weekend effect across ICU performance metrics. *Critical Care*, **2019**, 23, 207 | 10.8 | 4 |
| 79 | Predicting Chronic Heart Failure Using Diagnoses Graphs. *Lecture Notes in Computer Science*, **2017**, 295-312 | 0.9 | 4 |
| 78 | Predicting online video engagement using clickstreams **2015**, | | 4 |
| 77 | Matter. *Network Science*, **2014**, 2, 139-161 | 2.9 | 4 |
| 76 | Using selective, short-term memory to improve resilience against DDoS exhaustion attacks. *Security and Communication Networks*, **2008**, 1, 287-299 | 1.9 | 4 |
| 75 | Similarity-Aware Network Embedding with Self-Paced Learning **2019**, | | 4 |
| 74 | Multi-Input Multi-Output Sequence Labeling for Joint Extraction of Fact and Condition Tuples from Scientific Text **2019**, | | 4 |

| | | | |
|---|---|---|---|
| 73 | Privacy-Preserving Network Aggregation. *Lecture Notes in Computer Science*, **2010**, 198-207 | 0.9 | 4 |
| 72 | Characterizing online health and wellness information consumption: A study. *Information Fusion*, **2019**, 46, 33-43 | 16.7 | 4 |
| 71 | Using Structural Similarity to Predict Future Workload Behavior in the Cloud **2019**, | | 3 |
| 70 | Interaction between obesity and the Hypoxia Inducible Factor 3 Alpha Subunit rs3826795 polymorphism in relation with plasma alanine aminotransferase. *BMC Medical Genetics*, **2017**, 18, 80 | 2.1 | 3 |
| 69 | HealthCareND **2010**, | | 3 |
| 68 | Data mining on the grid for the grid. *Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on*, **2008**, | | 3 |
| 67 | GraSeq: Graph and Sequence Fusion Learning for Molecular Property Prediction **2020**, | | 3 |
| 66 | User Generated Content Consumption and Social Networking in Knowledge-Sharing OSNs. *Lecture Notes in Computer Science*, **2010**, 228-237 | 0.9 | 3 |
| 65 | Classifier Evaluation with Missing Negative Class Labels. *Lecture Notes in Computer Science*, **2013**, 380-391 | 0.9 | 3 |
| 64 | A Survey of Current Integrative Network Algorithms for Systems Biology **2013**, 479-495 | | 3 |
| 63 | **2019**, | | 3 |
| 62 | Nursing networks in the NICU and their association with maternal stress: A pilot study. *Journal of Nursing Management*, **2019**, 27, 442-449 | 4.9 | 3 |
| 61 | Biomedical Knowledge Graphs Construction From Conditional Statements. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2021**, 18, 823-835 | 3 | 3 |
| 60 | ONE-M: Modeling the Co-evolution of Opinions and Network Connections. *Lecture Notes in Computer Science*, **2019**, 122-140 | 0.9 | 2 |
| 59 | Mining Features Associated with Effective Tweets **2017**, | | 2 |
| 58 | FraudBuster: Reducing Fraud in an Auto Insurance Market. *Big Data*, **2018**, 6, 3-12 | 3.1 | 2 |
| 57 | An integrated and digitized care framework for successful aging **2014**, | | 2 |
| 56 | Recurrent Subgraph Prediction **2015**, | | 2 |

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|---|---|---|---|
| 55 | Qualitatively exploring electronic portfolios **2015**, | | 2 |
| 54 | Data management and query---Estimating query result sizes for proxy caching in scientific database federations **2006**, | | 2 |
| 53 | Estimating Query Result Sizes for Proxy Caching in Scientific Database Federations **2006**, | | 2 |
| 52 | Higher-order Networks of Diabetes Comorbidities: Disease Trajectories that Matter **2020**, | | 2 |
| 51 | Predicting Participant Compliance With Fitness Tracker Wearing and Ecological Momentary Assessment Protocols in Information Workers: Observational Study. *JMIR MHealth and UHealth*, **2021**, 9, e22218 | 5.5 | 2 |
| 50 | Teaching Tablet Technology to Older Adults. *Lecture Notes in Computer Science*, **2021**, 168-182 | 0.9 | 2 |
| 49 | Few-Shot Multi-Hop Relation Reasoning over Knowledge Bases **2020**, | | 2 |
| 48 | The Need to Consider Hardware Selection when Designing Big Data Applications Supported by Metadata. *Advances in Data Mining and Database Management Book Series*,381-396 | 0.6 | 2 |
| 47 | Deep Prototypical Networks for Imbalanced Time Series Classification under Data Scarcity **2019**, | | 2 |
| 46 | Perspective on Measurement Metrics for Community Detection Algorithms. *Lecture Notes in Social Networks*, **2013**, 227-242 | 0.6 | 2 |
| 45 | Connecting the dots to infer followers' topical interest on Twitter **2016**, | | 2 |
| 44 | Towards an Integrated mHealth Platform for Community-based Maternity Health Workers in Low-Income Communities **2018**, | | 2 |
| 43 | Symptomatic, Presymptomatic, and Asymptomatic Transmission of SARS-CoV-2 | | 2 |
| 42 | Development and Evaluation of a Web Application for Prenatal Care Coordinators in the United States. *Lecture Notes in Computer Science*, **2019**, 140-156 | 0.9 | 1 |
| 41 | What 30 Days Tells Us About 3 Years **2019**, | | 1 |
| 40 | TIQS: Targeted Iterative Question Selection for Health Interventions.. *Journal of Healthcare Informatics Research*, **2018**, 2, 205-227 | 4 | 1 |
| 39 | **2018**, | | 1 |
| 38 | **2017**, | | 1 |

| | | | |
|---|---|---|---|
| 37 | A Minimum-Cost Flow Model for Workload Optimization on Cloud Infrastructure **2017**, | | 1 |
| 36 | HoNVis: Visualizing and exploring higher-order networks **2017**, | | 1 |
| 35 | Materials Science Literature-Patent Relevance Search: A Heterogeneous Network Analysis Approach **2017**, | | 1 |
| 34 | Admission duration model for infant treatment (ADMIT) **2014**, | | 1 |
| 33 | Maximizing Information Spread through Influence Structures in Social Networks **2012**, | | 1 |
| 32 | The constraints of magnetic versus flash disk capabilities in big data analysis **2012**, | | 1 |
| 31 | A statistical approach to finding overlooked genetic associations. *BMC Bioinformatics*, **2010**, 11, 526 | 3.6 | 1 |
| 30 | Using Small Abstractions to Program Large Distributed Systems **2008**, | | 1 |
| 29 | Multi-modal Network Representation Learning **2020**, | | 1 |
| 28 | Learning from Cross-Modal Behavior Dynamics with Graph-Regularized Neural Contextual Bandit **2020**, | | 1 |
| 27 | Evaluation of Summarization Schemes for Learning in Streams. *Lecture Notes in Computer Science*, **2006**, 347-358 | 0.9 | 1 |
| 26 | Recipe Representation Learning with Networks **2021**, | | 1 |
| 25 | Fuzzy Relative Willingness: Modeling Influence of Exogenous Factors in Driving Information Propagation Through a Social Network. *IEEE Access*, **2020**, 8, 186653-186662 | 3.5 | 1 |
| 24 | MedCare: Leveraging Medication Similarity for Disease Prediction **2016**, | | 1 |
| 23 | Unraveling Complexity about Childhood Obesity and Nutritional Interventions: Modeling Interactions Among Psychological Factors. *Scientific Reports*, **2019**, 9, 18807 | 4.9 | 1 |
| 22 | Modeling Co-evolution of Attributed and Structural Information in Graph Sequence. *IEEE Transactions on Knowledge and Data Engineering*, **2021**, 1-1 | 4.2 | 1 |
| 21 | FILDNE: A Framework for Incremental Learning of Dynamic Networks Embeddings. *Knowledge-Based Systems*, **2021**, 236, 107453 | 7.3 | 1 |
| 20 | Data-driven Testing Program Improves Detection of COVID-19 Cases and Reduces Community Transmission | | 1 |

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|---|---|---|---|
| 19 | AttrE2vec: Unsupervised attributed edge representation learning. *Information Sciences*, **2022**, 592, 82-96 | 7.7 | 0 |
| 18 | Recipe Recommendation With Hierarchical Graph Attention Network.. *Frontiers in Big Data*, **2021**, 4, 778417 | 1.8 | 0 |
| 17 | Data-driven testing program improves detection of COVID-19 cases and reduces community transmission.. *Npj Digital Medicine*, **2022**, 5, 17 | 15.7 | 0 |
| 16 | Predicting Job Performance Using Mobile Sensing. *IEEE Pervasive Computing*, **2021**, 1-9 | 1.3 | 0 |
| 15 | Examining Response to Negative Life Events Through Fitness Tracker Data. *Frontiers in Digital Health*, **2021**, 3, 659088 | 2.3 | 0 |
| 14 | Inductive Contextual Relation Learning for Personalization. *ACM Transactions on Information Systems*, **2021**, 39, 1-22 | 4.8 | 0 |
| 13 | Discrete Heart Rate Values or Continuous Streams? Representation, Variability, and Meaningful Use of Vital Sign Data. *CIN - Computers Informatics Nursing*, **2021**, 39, 793-803 | 1.4 | 0 |
| 12 | An Optimized NL2SQL System for Enterprise Data Mart. *Lecture Notes in Computer Science*, **2021**, 335-350 | 0.9 | 0 |
| 11 | GrowHON: A Scalable Algorithm for Growing Higher-order Networks of Sequences. *Studies in Computational Intelligence*, **2021**, 485-496 | 0.8 | 0 |
| 10 | A Survey on Healthy Food Decision Influences Through Technological Innovations. *ACM Transactions on Computing for Healthcare*, **2022**, 3, 1-27 | 2.6 | 0 |
| 9 | Comparison of Gene Co-expression Networks and Bayesian Networks. *Lecture Notes in Computer Science*, **2013**, 507-516 | 0.9 | |
| 8 | Special Issue on CIDU '11. *Statistical Analysis and Data Mining*, **2013**, 6, 157-157 | 1.4 | |
| 7 | Discovering Knowledge in Data: An Introduction to Data Mining. *Briefings in Bioinformatics*, **2005**, 6, 411-412 | 45.4 | |
| 6 | A Qualitative Usability Evaluation of Tablets and Accessibility Settings by Older Adults. *Lecture Notes in Computer Science*, **2021**, 183-204 | 0.9 | |
| 5 | Gender Prediction Through Synthetic Resampling of User Profiles Using SeqGANs. *Lecture Notes in Computer Science*, **2019**, 363-370 | 0.9 | |
| 4 | The Evolution of Social Relationships and Strategies Across the Lifespan. *Lecture Notes in Computer Science*, **2015**, 245-249 | 0.9 | |
| 3 | Network Effects on Tweeting. *Lecture Notes in Computer Science*, **2011**, 209-220 | 0.9 | |
| 2 | ALIVE: A Multi-relational Link Prediction Environment for the Healthcare Domain. *Lecture Notes in Computer Science*, **2013**, 36-46 | 0.9 | |

1 Pandemic Pulse. *Digital Government Research and Practice (DGOV)*, **2021**, 2, 1-9 2.1