

Bibliography

- Abel, F., Gao, Q., Houben, G., and Tao, K. (2011). Analyzing user modeling on twitter for personalized news recommendations. In *User Modeling, Adaption and Personalization - 19th International Conference, UMAP 2011, Girona, Spain, July 11-15, 2011. Proceedings*, pages 1–12.
- Alexander, K., Cyganiak, R., Hausenblas, M., and Zhao, J. (2009). Describing linked datasets. In *Proceedings of the WWW2009 Workshop on Linked Data on the Web, LDOW 2009, Madrid, Spain, April 20, 2009*.
- Apro시오, A. P., Giuliano, C., and Lavelli, A. (2013). Automatic Expansion of DBpedia Exploiting Wikipedia Cross-Language Information. In *The Semantic Web: Semantics and Big Data, 10th International Conference, ESWC 2013, Montpellier, France, May 26-30, 2013. Proceedings*, volume 7882 of *Lecture Notes in Computer Science*, pages 397–411. Springer.
- Apro시오, A. P. and Moretti, G. (2018). Tint 2.0: An all-inclusive suite for nlp in italian. *Proceedings of CLIC-it*.
- Armentano, M. G., Godoy, D., and Amandi, A. (2012). Topology-Based Recommendation of Users in Micro-Blogging Communities. *Journal of Computer Science and Technology*, 27(3):624–634.
- Armentano, M. G., Godoy, D., and Amandi, A. A. (2013). Followee recommendation based on text analysis of micro-blogging activity. *Information Systems*, 38(8):1116–1127.
- Barbieri, N., Bonchi, F., and Manco, G. (2014). Who to Follow and Why: Link Prediction with Explanations. In *Proceedings of the 20th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, KDD '14*, pages 1266–1275, New York, NY, USA. ACM.
- Barbu, O. (2014). Advertising, Microtargeting and Social Media. *Procedia - Social and Behavioral Sciences*, 163:44–49.
- Basile, P., Caputo, A., Gentile, A. L., and Rizzo, G. (2016a). Overview of the EVALITA 2016 Named Entity rEcognition and Linking in Italian tweets (NEEL-IT) task. In *Proceedings of the 5th Evaluation Campaign of Natural Language Processing and Speech Tools for Italian (EVALITA 2016)*. aAcademia University Press.
- Basile, P., Cutugno, F., Nissim, M., Patti, V., and Sprugnoli, R. (2016b). EVALITA 2016: Overview of the 5th evaluation campaign of natural language processing and speech tools for Italian. In *Proceedings of the 5th Evaluation Campaign of Natural Language Processing and Speech Tools for Italian (EVALITA 2016)*. aAcademia University Press.
- Bengio, Y. (2013). Estimating or propagating gradients through stochastic neurons. *CoRR*, abs/1305.2982.
- Berkhin, P. (2006). Bookmark-coloring approach to personalized pagerank computing. *Internet Mathematics*, 3(1):41–62.
- Berners-Lee, T. (2006). Linked Data — Design Issues. <https://www.w3.org/DesignIssues/LinkedData.html>. [Online; accessed 26-Dec-2018].
- Besel, C., Schlötterer, J., and Granitzer, M. (2016). Inferring Semantic Interest Profiles from Twitter Followees: Does Twitter Know Better Than Your Friends? In *ACM SAC*, pages 1152–1157.
- Bettini, C. and Riboni, D. (2015). Privacy protection in pervasive systems: State of the art and technical challenges. *Pervasive and Mobile Computing*, 17(Part B):159 – 174. 10 years of Pervasive Computing’ In Honor of Chatschik Bisdikian.

- Bojanowski, P., Grave, E., Joulin, A., and Mikolov, T. (2017). Enriching Word Vectors with Subword Information. *Transactions of the Association for Computational Linguistics*, 5:135–146.
- Bontcheva, K., Derczynski, L., Funk, A., Greenwood, M. A., Maynard, D., and Aswani, N. (2013). TwitIE: An open-source information extraction pipeline for microblog text. In *Recent Advances in Natural Language Processing, RANLP*, pages 83–90. RANLP 2013 Organising Committee / ACL.
- Bordes, A., Usunier, N., Garcia-Durán, A., Weston, J., and Yakhnenko, O. (2013). Translating Embeddings for Modeling Multi-relational Data. In *Advances in Neural Information Processing Systems 26: 27th Annual Conference on Neural Information Processing Systems 2013*, pages 2787–2795.
- Brunton, F. and Nissenbaum, H. (2015). *Obfuscation: A user’s guide for privacy and protest*. The MIT Press.
- Cai, H., Zheng, V. W., and Chang, K. C. (2018). A comprehensive survey of graph embedding: Problems, techniques, and applications. *IEEE Trans. Knowl. Data Eng.*, 30(9):1616–1637.
- Chang, C.-C. and Lin, C.-J. (2011). LIBSVM: A library for support vector machines. *ACM Transactions on Intelligent Systems and Technology*, 2:27:1–27:27.
- Chaoji, V., Ranu, S., Rastogi, R., and Bhatt, R. (2012). Recommendations to Boost Content Spread in Social Networks. In *Proceedings of the 21st International Conference on World Wide Web, WWW ’12*, pages 529–538, New York, NY, USA. ACM.
- Church, K. W. and Hanks, P. (1990). Word association norms, mutual information, and lexicography. *Computational Linguistics*, 16(1):22–29.
- Cochez, M., Ristoski, P., Ponzetto, S. P., and Paulheim, H. (2017a). Biased graph walks for RDF graph embeddings. In *Proceedings of the 7th International Conference on Web Intelligence, Mining and Semantics, WIMS 2017*, pages 21:1—21:12.
- Cochez, M., Ristoski, P., Ponzetto, S. P., and Paulheim, H. (2017b). Global RDF Vector Space Embeddings. In *The Semantic Web - ISWC 2017 - 16th International Semantic Web Conference, Vienna, Austria, October 21-25, 2017, Proceedings, Part I*, volume 10587 of *Lecture Notes in Computer Science*, pages 190–207. Springer.
- Coman, A. C., Nechaev, Y., and Zara, G. (2018). Predicting Emoji Exploiting Multimodal Data: FBK Participation in ITAmoji Task. In *Proceedings of Fifth Italian Conference on Computational Linguistics (CLiC-it 2018) & Sixth Evaluation Campaign of Natural Language Processing and Speech Tools for Italian. Final Workshop (EVALITA 2018)*.
- Corcoglioniti, F., Aprosio, A. P., Nechaev, Y., and Giuliano, C. (2016). MicroNeel: Combining NLP Tools to Perform Named Entity Detection and Linking on Microposts. In *Proceedings of Third Italian Conference on Computational Linguistics (CLiC-it 2016) & Fifth Evaluation Campaign of Natural Language Processing and Speech Tools for Italian. Final Workshop (EVALITA 2016), Napoli, Italy, December 5-7, 2016*.
- Corcoglioniti, F., Giuliano, C., Nechaev, Y., and Zanolli, R. (2017). Pokedem: An Automatic Social Media Management Application. In *Proceedings of the Eleventh ACM Conference on Recommender Systems, RecSys ’17*, pages 358–359, New York, NY, USA. ACM.
- Corcoglioniti, F., Nechaev, Y., Giuliano, C., and Zanolli, R. (2018). Twitter User Recommendation for Gaining Followers. In *AI*IA 2018 Advances in Artificial Intelligence - 17th International Conference of the Italian Association for Artificial Intelligence, Trento, Italy, November 20-23, 2018, Proceedings*.
- Corcoglioniti, F., Rospocher, M., Mostarda, M., and Amadori, M. (2015). Processing billions of {RDF} triples on a single machine using streaming and sorting. In *ACM SAC*, pages 368–375.
- Cresci, S., Pietro, R. D., Petrocchi, M., Spognardi, A., and Tesconi, M. (2015). Fame for sale: Efficient detection of fake Twitter followers. *Decision Support Systems*, 80:56–71.
- Cristianini, N., Shawe-Taylor, J., and Lodhi, H. (2002). Latent Semantic Kernels. *Journal of Intelligent Information Systems*, 18(2):127–152.
- de Vries, G. K. D. (2013). A fast approximation of the weisfeiler-lehman graph kernel for RDF data. In *Machine Learning and Knowledge Discovery in Databases - European Conference, ECML PKDD 2013, Prague, Czech Republic, September 23-27, 2013, Proceedings, Part I*, pages 606–621.

- de Vries, G. K. D. and de Rooij, S. (2015). Substructure counting graph kernels for machine learning from RDF data. *J. Web Sem.*, 35:71–84.
- Deerwester, S. C., Dumais, S. T., Landauer, T. K., Furnas, G. W., and Harshman, R. A. (1990). Indexing by latent semantic analysis. *JASIS*, 41(6):391–407.
- Dwork, C. (2008). Differential privacy: A survey of results. In *Proc. of 5th Int. Conf. on Theory and Applications of Models of Computation (TAMC)*, pages 1–19, Berlin, Heidelberg. Springer-Verlag.
- Erxleben, F., Günther, M., Krötzsch, M., Mendez, J., and Vrandeć, D. (2014). Introducing Wikidata to the Linked Data Web. In *Proceedings of the 13th International Semantic Web Conference - Part I, ISWC '14*, pages 50–65, New York, NY, USA. Springer-Verlag New York, Inc.
- Fan, R.-E., Chang, K.-W., Hsieh, C.-J., Wang, X.-R., and Lin, C.-J. (2008). LIBLINEAR: A library for large linear classification. *J. Mach. Learn. Res.*, 9:1871–1874.
- Faralli, S., Stilo, G., and Velardi, P. (2015a). Large Scale Homophily Analysis in Twitter Using a Twixonomy. In *Proceedings of the Twenty-Fourth International Joint Conference on Artificial Intelligence, IJCAI 2015*, pages 2334–2340.
- Faralli, S., Stilo, G., and Velardi, P. (2015b). Recommendation of microblog users based on hierarchical interest profiles. *Social Network Analysis and Mining*, 5(1):25.
- Farseev, A., Nie, L., Akbari, M., and Chua, T.-S. (2015). Harvesting Multiple Sources for User Profile Learning: A Big Data Study. In *ACM ICMR*, pages 235–242.
- Felt, A. and Evans, D. (2008). Privacy protection for social networking APIs.
- Fetahu, B., Anand, A., and Anand, A. (2015). How Much is Wikipedia Lagging Behind News? In *Proceedings of the ACM Web Science Conference, WebSci '15*, pages 28:1—28:9, New York, NY, USA. ACM.
- Goga, O. (2014). *Matching user accounts across online social networks: methods and applications*. PhD thesis, LIP6-Laboratoire d’Informatique de Paris 6.
- Goga, O., Lei, H., Parthasarathi, S. H. K., Friedland, G., Sommer, R., and Teixeira, R. (2013). Exploiting Innocuous Activity for Correlating Users Across Sites. In *Proc. of WWW*, pages 447–458. ACM.
- Goga, O., Loiseau, P., Sommer, R., Teixeira, R., and Gummadi, K. P. (2015). On the Reliability of Profile Matching Across Large Online Social Networks. In *Proc. of KDD*, pages 1799–1808. ACM.
- Goodfellow, I., Bengio, Y., and Courville, A. (2016). *Deep Learning*. MIT Press. <http://www.deeplearningbook.org>.
- Goyal, P. and Ferrara, E. (2017). Graph embedding techniques, applications, and performance: A survey. *arXiv preprint arXiv:1705.02801*.
- Grover, A. and Leskovec, J. (2016). node2vec: Scalable feature learning for networks. In *The 22th {ACM} {SIGKDD} International Conference on Knowledge Discovery and Data Mining, {KDD} '16*, pages 855–864. ACM.
- Guha, R. and Brickley, D. (2014). RDF Schema 1.1. W3C Recommendation, W3C. <http://www.w3.org/TR/2014/REC-rdf-schema-20140225/>.
- Gupta, P., Goel, A., Lin, J., Sharma, A., Wang, D., and Zadeh, R. (2013). WTF: The Who to Follow Service at Twitter. In *Proceedings of the 22Nd International Conference on World Wide Web, WWW '13*, pages 505–514, New York, NY, USA. ACM.
- Guu, K., Miller, J., and Liang, P. (2015). Traversing knowledge graphs in vector space. In *Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing, EMNLP 2015, Lisbon, Portugal, September 17-21, 2015*, pages 318–327.
- Hannon, J., Bennett, M., and Smyth, B. (2010). Recommending Twitter Users to Follow Using Content and Collaborative Filtering Approaches. In *Proceedings of the Fourth ACM Conference on Recommender Systems, RecSys '10*, pages 199–206, New York, NY, USA. ACM.
- Harris, S. and Seaborne, A. (2013). SPARQL 1.1 query language. W3C Recommendation, W3C. <http://www.w3.org/TR/2013/REC-sparql11-query-20130321/>.

- Hoffart, J., Suchanek, F. M., Berberich, K., and Weikum, G. (2013). YAGO2: A spatially and temporally enhanced knowledge base from wikipedia. *Artificial Intelligence*, 194:28–61.
- Hubara, I., Courbariaux, M., Soudry, D., El-Yaniv, R., and Bengio, Y. (2016). Binarized Neural Networks. In *Proc. of Advances in Neural Information Processing Systems (NIPS)*, pages 4107–4115. Curran Associates, Inc.
- Kejriwal, M. and Szekely, P. (2017). Supervised typing of big graphs using semantic embeddings. In *Proceedings of The International Workshop on Semantic Big Data, SBD@SIGMOD 2017, Chicago, IL, USA, May 19, 2017*, pages 3:1—3:6.
- Kim, Y. and Shim, K. (2014). TWILITE: A recommendation system for Twitter using a probabilistic model based on latent Dirichlet allocation. *Information Systems*, 42:59–77.
- Kywe, S. M., Lim, E.-P., and Zhu, F. (2012). A Survey of Recommender Systems in Twitter. In *Proceedings of the 4th International Conference on Social Informatics, SocInfo’12*, pages 420–433, Berlin, Heidelberg. Springer-Verlag.
- Landauer, T. K., Foltz, P. W., and Laham, D. (1998). An introduction to latent semantic analysis. *Discourse processes*, 25(2-3):259–284.
- Lehmann, J., Isele, R., Jakob, M., Jentzsch, A., Kontokostas, D., Mendes, P. N., Hellmann, S., Morsey, M., van Kleef, P., Auer, S., and Bizer, C. (2015). DBpedia - A large-scale, multilingual knowledge base extracted from Wikipedia. *Semantic Web*, 6(2):167–195.
- Li, J., Ritter, A., and Hovy, E. (2014). Weakly Supervised User Profile Extraction from Twitter. In *Proc. of 52nd Annual Meeting of the Association for Computational Linguistics (ACL)*, pages 165–174.
- Lin, Y., Liu, Z., Sun, M., Liu, Y., and Zhu, X. (2015). Learning entity and relation embeddings for knowledge graph completion. In *Proceedings of the Twenty-Ninth AAAI Conference on Artificial Intelligence, January 25-30, 2015, Austin, Texas, USA.*, pages 2181–2187.
- Liu, S., Wang, S., Zhu, F., Zhang, J., and Krishnan, R. (2014). HYDRA: Large-scale social identity linkage via heterogeneous behavior modeling. In *Proc. of SIGMOD*, pages 51–62. ACM.
- Lops, P., de Gemmis, M., and Semeraro, G. (2011). Content-based Recommender Systems: State of the Art and Trends. In Ricci, F., Rokach, L., Shapira, B., and Kantor, P. B., editors, *Recommender Systems Handbook*, pages 73–105. Springer US, Boston, MA.
- Lu, C.-T., Shuai, H.-H., and Yu, P. S. (2014). Identifying Your Customers in Social Networks. In *Proc. of CIKM*, pages 391–400. ACM.
- Ludlow, K. (2012). Bayesian flooding and Facebook manipulation.
- Lund, K. and Burgess, C. (1996). Producing high-dimensional semantic spaces from lexical co-occurrence. *Behavior Research Methods, Instruments, & Computers*, 28(2):203–208.
- Luo, W., Xie, Q., and Hengartner, U. (2009). FaceCloak: An architecture for user privacy on social networking sites. In *Proc. of Int. Conf. on Computational Science and Engineering*, volume 3, pages 26–33.
- Manning, C. D., Surdeanu, M., Bauer, J., Finkel, J. R., Bethard, S., and McClosky, D. (2014). The Stanford CoreNLP Natural Language Processing Toolkit. In *Proceedings of the 52nd Annual Meeting of the Association for Computational Linguistics, ACL 2014, June 22-27, 2014, Baltimore, MD, USA, System Demonstrations*, pages 55–60.
- Melo, A., Paulheim, H., and Völker, J. (2016). Type Prediction in RDF Knowledge Bases Using Hierarchical Multilabel Classification. In *Proceedings of the 6th International Conference on Web Intelligence, Mining and Semantics, WIMS ’16*, pages 14:1—14:10.
- Michelson, M. and Macskassy, S. A. (2010). Discovering users’ topics of interest on twitter: a first look. In *Proceedings of the Fourth Workshop on Analytics for Noisy Unstructured Text Data, AND 2010, Toronto, Ontario, Canada, October 26th, 2010 (in conjunction with CIKM 2010)*, pages 73–80.
- Minard, A., Qwaider, M. R. H., and Magnini, B. (2016). FBK-NLP at NEEL-IT: Active Learning for Domain Adaptation. In *EVALITA*.
- Mislove, A., Viswanath, B., Gummadi, P. K., and Druschel, P. (2010). You are who you know: inferring user profiles in online social networks. In *Proceedings of the Third International Conference on Web*

- Search and Web Data Mining, WSDM 2010, New York, NY, USA, February 4-6, 2010*, pages 251–260.
- Motik, B., Patel-Schneider, P., and Parsia, B. (2012). OWL 2 web ontology language structural specification and functional-style syntax (second edition). W3C recommendation, W3C. <http://www.w3.org/TR/2012/REC-owl2-syntax-20121211/>.
- Nechaev, Y., Corcoglioniti, F., and Giuliano, C. (2017a). Concealing Interests of Passive Users in Social Media. In *Proceedings of the Re-coding Black Mirror 2017 Workshop co-located with 16th International Semantic Web Conference (ISWC 2017), Vienna, Austria, October 22, 2017*.
- Nechaev, Y., Corcoglioniti, F., and Giuliano, C. (2017b). Linking Knowledge Bases to Social Media Profiles. In *Proceedings of the Symposium on Applied Computing, SAC 2017, Marrakech, Morocco, April 3-7, 2017*, pages 145–150.
- Nechaev, Y., Corcoglioniti, F., and Giuliano, C. (2017c). SocialLink: knowledge transfer between social media and linked open data. <https://doi.org/10.6084/m9.figshare.5235823>.
- Nechaev, Y., Corcoglioniti, F., and Giuliano, C. (2017d). SocialLink: Linking DBpedia Entities to Corresponding Twitter Accounts. In *The Semantic Web - ISWC 2017 - 16th International Semantic Web Conference, Vienna, Austria, October 21-25, 2017, Proceedings, Part II*, pages 165–174.
- Nechaev, Y., Corcoglioniti, F., and Giuliano, C. (2018a). SocialLink dataset v3.0. <https://doi.org/10.5281/zenodo.1451797>.
- Nechaev, Y., Corcoglioniti, F., and Giuliano, C. (2018b). SocialLink: Exploiting Graph Embeddings to Link DBpedia Entities to Twitter Profiles. *Progress in AI*, 7(4):251–272.
- Nechaev, Y., Corcoglioniti, F., and Giuliano, C. (2018c). Type Prediction Combining Linked Open Data and Social Media. In *Proceedings of the 27th ACM International Conference on Information and Knowledge Management, CIKM 2018, Torino, Italy, October 22-26, 2018*, pages 1033–1042.
- Nickel, M., Rosasco, L., and Poggio, T. A. (2016). Holographic embeddings of knowledge graphs. In *Proceedings of the Thirtieth AAAI Conference on Artificial Intelligence, February 12-17, 2016, Phoenix, Arizona, USA.*, pages 1955–1961.
- Nickel, M., Tresp, V., and Kriegel, H. (2011). A three-way model for collective learning on multi-relational data. In *Proceedings of the 28th International Conference on Machine Learning, ICML 2011, Bellevue, Washington, USA, June 28 - July 2, 2011*, pages 809–816.
- Noreen, E. W. (1989). *Computer-intensive methods for testing hypotheses*. Wiley New York.
- Page, L., Brin, S., Motwani, R., and Winograd, T. (1999). The pagerank citation ranking: Bringing order to the web. Technical Report 1999-66, Stanford InfoLab. Previous number = SIDL-WP-1999-0120.
- Palmero Arosio, A. and Giuliano, C. (2016). The wiki machine: an open source software for entity linking and enrichment. *ArXiv e-prints*.
- Palmero Arosio, A. and Moretti, G. (2016). Italy goes to Stanford: a collection of CoreNLP modules for Italian. *ArXiv e-prints*.
- Paniagua, J. and Sapena, J. (2014). Business performance and social media: Love or hate? *Business Horizons*, 57(6):719–728.
- Paulheim, H. and Bizer, C. (2013). Type Inference on Noisy {RDF} Data. In *The Semantic Web - {ISWC} 2013 - 12th International Semantic Web Conference, Sydney, NSW, Australia, October 21-25, 2013, Proceedings, Part {I}*, pages 510–525.
- Peled, O., Fire, Rokach, and Elovici (2016). Matching entities across online social networks. *Neurocomputing*.
- Pennington, J., Socher, R., and Manning, C. D. (2014). GloVe: Global Vectors for Word Representation. In *Empirical Methods in Natural Language Processing (EMNLP)*, pages 1532–1543.
- Perozzi, B., Al-Rfou, R., and Skiena, S. (2014). DeepWalk: online learning of social representations. In *The 20th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, KDD '14*, pages 701–710.
- Piao, G. and Breslin, J. G. (2016). Exploring dynamics and semantics of user interests for user modeling on twitter for link recommendations. In *Proceedings of the 12th International Conference on Semantic Systems, SEMANTICS 2016, Leipzig, Germany, September 12-15, 2016*, pages 81–88.

- Piao, G. and Breslin, J. G. (2017). Inferring User Interests for Passive Users on Twitter by Leveraging Followee Biographies. In *Advances in Information Retrieval - 39th European Conference on {IR} Research, {ECIR} 2017*, pages 122–133.
- Piao, G. and Breslin, J. G. (2018). Inferring user interests in microblogging social networks: a survey. *User Model. User-Adapt. Interact.*, 28(3):277–329.
- Preotiuc-Pietro, D., Lampos, V., and Aletras, N. (2015). An analysis of the user occupational class through Twitter content. In *Proceedings of 53rd Annual Meeting of the Association for Computational Linguistics (ACL)*, pages 1754–1764. The Association for Computer Linguistics.
- Rao, D., Yarowsky, D., Shreevats, A., and Gupta, M. (2010). Classifying latent user attributes in Twitter. In *Proceedings of 2nd International Workshop on Search and Mining User-generated Contents (SMUC)*, pages 37–44.
- Rico, M., Santana-Perez, I., Pozo-Jimenez, P., and Gomez-Perez, A. (2018). Inferring New Types on Large Datasets Applying Ontology Class Hierarchy Classifiers: The DBpedia Case. In *Proceedings of the 15th Extended Semantic Web Conference (ESWC)*.
- Ristoski, P. and Paulheim, H. (2016a). Rdf2vec: RDF graph embeddings for data mining. In *The Semantic Web - ISWC 2016 - 15th International Semantic Web Conference, Kobe, Japan, October 17-21, 2016, Proceedings, Part I*, pages 498–514.
- Ristoski, P. and Paulheim, H. (2016b). Semantic Web in data mining and knowledge discovery: A comprehensive survey. *Web Semantics: Science, Services and Agents on the World Wide Web*, 36:1–22.
- Ristoski, P., Rosati, J., Di Noia, T., De Leone, R., and Paulheim, H. (2017). RDF2Vec: RDF graph embeddings and their applications. *Semantic Web Journal*.
- Sadilek, A., Kautz, H., and Bigham, J. P. (2012). Finding Your Friends and Following Them to Where You Are. In *Proc. of 5th ACM Int. Conf. on Web Search and Data Mining (WSDM)*, pages 723–732, New York, NY, USA. ACM.
- Shazeer, N., Doherty, R., Evans, C., and Waterson, C. (2016). Swivel: Improving Embeddings by Noticing What’s Missing. *CoRR*, abs/1602.02215.
- Siehdnel, P. and Kawase, R. (2012). Twikime! - user profiles that make sense. In *Proceedings of the ISWC 2012 Posters & Demonstrations Track, Boston, USA, November 11-15, 2012*.
- Socher, R., Chen, D., Manning, C. D., and Ng, A. Y. (2013). Reasoning with neural tensor networks for knowledge base completion. In *Advances in Neural Information Processing Systems 26: 27th Annual Conference on Neural Information Processing Systems 2013. Proceedings of a meeting held December 5-8, 2013, Lake Tahoe, Nevada, United States.*, pages 926–934.
- statista.com (2019a). Facebook users worldwide 2018. <https://www.statista.com/statistics/264810/number-of-monthly-active-facebook-users-worldwide/>. [Online; accessed 15-Jan-2019].
- statista.com (2019b). Instagram: active users 2018. <https://www.statista.com/statistics/253577/number-of-monthly-active-instagram-users/>. [Online; accessed 15-Jan-2019].
- statista.com (2019c). Twitter: number of active users 2010-2018. <https://www.statista.com/statistics/282087/number-of-monthly-active-twitter-users/>. [Online; accessed 15-Jan-2019].
- Tang, J., Qu, M., Wang, M., Zhang, M., Yan, J., and Mei, Q. (2015). LINE: Large-scale information network embedding. In *Proceedings of the 24th International Conference on World Wide Web*, pages 1067–1077.
- Tommasel, A., Corbellini, A., Godoy, D., and Schiaffino, S. (2016). Personality-aware followee recommendation algorithms: An empirical analysis. *Engineering Applications of Artificial Intelligence*, 51:24–36.
- Wang, Z., Zhang, J., Feng, J., and Chen, Z. (2014). Knowledge graph embedding by translating on hyperplanes. In *Proceedings of the Twenty-Eighth AAAI Conference on Artificial Intelligence, July 27 -31, 2014, Québec City, Québec, Canada.*, pages 1112–1119.
- Wilkinson, M. D. et al. (2016). The FAIR Guiding Principles for scientific data management and stewardship. *Scientific Data*.

- Wood, D., Lanthaler, M., and Cyganiak, R. (2014). RDF 1.1 concepts and abstract syntax. W3C Recommendation, W3C. <http://www.w3.org/TR/2014/REC-rdf11-concepts-20140225/>.
- Yanardag, P. and Vishwanathan, S. V. N. (2015). Deep graph kernels. In *Proceedings of the 21th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, Sydney, NSW, Australia, August 10-13, 2015*, pages 1365–1374.
- Yuan, G., Murukannaiah, P. K., Zhang, Z., and Singh, M. P. (2014). Exploiting Sentiment Homophily for Link Prediction. In *Proceedings of the 8th ACM Conference on Recommender Systems, RecSys '14*, pages 17–24, New York, NY, USA. ACM.
- Zafarani, R. and Liu, H. (2009). Connecting Corresponding Identities across Communities. In *Proc. of ICWSM*. AAAI Press.
- Zafarani, R. and Liu, H. (2013). Connecting Users Across Social Media Sites: A Behavioral-modeling Approach. In *Proc. of KDD*, pages 41–49. ACM.
- Zanchetta, E. and Baroni, M. (2005). Morph-it! a free corpus-based morphological resource for the Italian language. *Corpus Linguistics 2005*, 1(1).
- Zarrinkalam, F., Fani, H., Bagheri, E., and Kahani, M. (2016). Inferring implicit topical interests on twitter. In *Advances in Information Retrieval - 38th European Conference on IR Research, ECIR 2016, Padua, Italy, March 20-23, 2016. Proceedings*, pages 479–491.
- Zhang, Y., Rahman, M. M., Braylan, A., Dang, B., Chang, H., Kim, H., McNamara, Q., Angert, A., Banner, E., Khetan, V., McDonnell, T., Nguyen, A. T., Xu, D., Wallace, B. C., and Lease, M. (2016). Neural information retrieval: A literature review. *CoRR*, abs/1611.06792.
- Zhao, G., Lee, M. L., Hsu, W., Chen, W., and Hu, H. (2013). Community-based User Recommendation in Uni-directional Social Networks. In *Proceedings of the 22Nd ACM International Conference on Information & Knowledge Management, CIKM '13*, pages 189–198, New York, NY, USA. ACM.
- Zheleva, E. and Getoor, L. (2009). To Join or Not to Join: The Illusion of Privacy in Social Networks with Mixed Public and Private User Profiles. In *Proc. of 18th Int. Conf. on World Wide Web (WWW)*, pages 531–540, New York, NY, USA. ACM.