

- Elia Bruni, Nam-Khanh Tran, and Marco Baroni. 2014. Multimodal distributional semantics. *J. Artif. Intell. Res.(JAIR)* 49(1-47).
- Alexander Budanitsky and Graeme Hirst. 2006. Evaluating WordNet-based measures of Lexical Semantic Relatedness. *Computational Linguistics* 32(1):13–47.
- José Camacho-Collados and Roberto Navigli. 2016. Find the word that does not belong: A framework for an intrinsic evaluation of word vector representations. In *Proceedings of the ACL Workshop on Evaluating Vector Space Representations for NLP*. Berlin, Germany, pages 43–50.
- Jose Camacho-Collados and Roberto Navigli. 2017. BabelDomains: Large-Scale Domain Labeling of Lexical Resources. In *Proceedings of EACL (2)*. Valencia, Spain, pages 223–228.
- José Camacho-Collados, Mohammad Taher Pilehvar, and Roberto Navigli. 2015. A Framework for the Construction of Monolingual and Cross-lingual Word Similarity Datasets. In *Proceedings of ACL (2)*. Beijing, China, pages 1–7.
- José Camacho-Collados, Mohammad Taher Pilehvar, and Roberto Navigli. 2016. Nasari: Integrating explicit knowledge and corpus statistics for a multilingual representation of concepts and entities. *Artificial Intelligence* 240:36–64.
- Gerard de Melo. 2015. Wiktionary-based word embeddings. *Proceedings of MT Summit XV* pages 346–359.
- Claudio Delli Bovi and Alessandro Raganato. 2017. Sew-embed at semeval-2017 task 2: Language-independent concept representations from a semantically enriched wikipedia. In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Association for Computational Linguistics, Vancouver, Canada, pages 261–266. <http://www.aclweb.org/anthology/S17-2041>.
- Manaal Faruqui, Jesse Dodge, Sujay K. Jauhar, Chris Dyer, Eduard Hovy, and Noah A. Smith. 2015. Retrofitting word vectors to semantic lexicons. In *Proceedings of NAACL*. pages 1606–1615.
- Pedro Fialho, Hugo Patinho Rodrigues, Luísa Coheur, and Paulo Quaresma. 2017. L2f/inesc-id at semeval-2017 tasks 1 and 2: Lexical and semantic features in word and textual similarity. In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Association for Computational Linguistics, Vancouver, Canada, pages 213–219. <http://www.aclweb.org/anthology/S17-2032>.
- Lev Finkelstein, Gabrilovich Evgeny, Matias Yossi, Rivlin Ehud, Solan Zach, Wolfman Gadi, and Ruppin Eytan. 2002. Placing search in context: The concept revisited. *ACM Transactions on Information Systems* 20(1):116–131.
- Marc Franco-Salvador, Paolo Rosso, and Manuel Montes-y Gómez. 2016. A systematic study of knowledge graph analysis for cross-language plagiarism detection. *Information Processing & Management* 52(4):550–570.
- Pablo Gamallo. 2017. Citius at semeval-2017 task 2: Cross-lingual similarity from comparable corpora and dependency-based contexts. In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Association for Computational Linguistics, Vancouver, Canada, pages 226–229. <http://www.aclweb.org/anthology/S17-2034>.
- Daniela Gerz, Ivan Vulić, Felix Hill, Roi Reichart, and Anna Korhonen. 2016. Simverb-3500: A large-scale evaluation set of verb similarity. In *Proceedings of EMNLP*. Austin, USA.
- Stephan Gouws, Yoshua Bengio, and Greg Corrado. 2015. Bilbowa: Fast bilingual distributed representations without word alignments. In *Proceedings of the 32nd International Conference on Machine Learning (ICML-15)*. pages 748–756.
- Roger Granada, Cassia Trojahn, and Renata Vieira. 2014. Comparing semantic relatedness between word pairs in Portuguese using Wikipedia. In *Computational Processing of the Portuguese Language*, Springer, pages 170–175.
- Iryna Gurevych. 2005. Using the structure of a conceptual network in computing semantic relatedness. In *Natural Language Processing–IJCNLP 2005*, Springer, pages 767–778.
- Samer Hassan and Rada Mihalcea. 2009. Cross-lingual semantic relatedness using encyclopedic knowledge. In *Proceedings of EMNLP*. pages 1192–1201.
- Junqing He, Long Wu, Xuemin Zhao, and Yonghong Yan. 2017. Hccl at semeval-2017 task 2: Combining multilingual word embeddings and transliteration model for semantic similarity. In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Association for Computational Linguistics, Vancouver, Canada, pages 220–225. <http://www.aclweb.org/anthology/S17-2033>.
- Felix Hill, Roi Reichart, and Anna Korhonen. 2015. Simlex-999: Evaluating semantic models with (genuine) similarity estimation. *Computational Linguistics*.
- Angelos Hliaoutakis, Giannis Varelas, Epimenidis Voutsakis, Euripides GM Petrakis, and Evangelos Milios. 2006. Information retrieval by semantic similarity. *International Journal on Semantic Web and Information Systems* 2(3):55–73.
- Sergio Jimenez, George Dueñas, Lorena Gaitan, and Jorge Segura. 2017. Rufino at semeval-2017 task 2: Cross-lingual lexical similarity by extending pmi and word embeddings systems with a swadesh’s-like list. In *Proceedings of the*

- 11th International Workshop on Semantic Evaluation (SemEval-2017).* Association for Computational Linguistics, Vancouver, Canada, pages 239–244. <http://www.aclweb.org/anthology/S17-2037>.
- Sergio Jimenez, Fabio A. Gonzalez, and Alexander Gelbukh. 2016. Mathematical properties of soft cardinality: Enhancing jaccard, dice and cosine similarity measures with element-wise distance. *Information Sciences* 367:373–389.
- Colette Journe and Diana Inkpen. 2011. Comparison of semantic similarity for different languages using the Google n-gram corpus and second-order co-occurrence measures. In *Advances in Artificial Intelligence*, Springer, pages 216–221.
- David Jurgens, Mohammad Taher Pilehvar, and Roberto Navigli. 2014. Semeval-2014 task 3: Cross-level semantic similarity. *SemEval 2014* pages 17–26.
- Alon Lavie and Michael J. Denkowski. 2009. The Meteor metric for automatic evaluation of Machine Translation. *Machine Translation* 23(2-3):105–115.
- Ira Leviant and Roi Reichart. 2015. Judgment language matters: Multilingual vector space models for judgment language aware lexical semantics. *CoRR*, abs/1508.00106 .
- Diana McCarthy and Roberto Navigli. 2009. The English lexical substitution task. *Language Resources and Evaluation* 43(2):139–159.
- Josué Melka and Gilles Bernard. 2017. Jmp8 at semeval-2017 task 2: A simple and general distributional approach to estimate word similarity. In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Association for Computational Linguistics, Vancouver, Canada, pages 230–234. <http://www.aclweb.org/anthology/S17-2035>.
- Fanqing Meng, Wenpeng Lu, Yuteng Zhang, Ping Jian, Shumin Shi, and Heyan Huang. 2017. Qlut at semeval-2017 task 2: Word similarity based on word embedding and knowledge base. In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Association for Computational Linguistics, Vancouver, Canada, pages 235–238. <http://www.aclweb.org/anthology/S17-2036>.
- Enrico Mensa, Daniele P. Radicioni, and Antonio Lieto. 2017. Merali at semeval-2017 task 2 subtask 1: a cognitively inspired approach. In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Association for Computational Linguistics, Vancouver, Canada, pages 245–249. <http://www.aclweb.org/anthology/S17-2038>.
- Tomas Mikolov, Kai Chen, Greg Corrado, and Jeffrey Dean. 2013. Efficient estimation of word representations in vector space. *CoRR* abs/1301.3781. <http://arxiv.org/abs/1301.3781>.
- George A. Miller, R.T. Beckwith, Christiane D. Fellbaum, D. Gross, and K. Miller. 1990. WordNet: an online lexical database. *International Journal of Lexicography* 3(4):235–244.
- George A. Miller and Walter G. Charles. 1991. Contextual correlates of semantic similarity. *Language and Cognitive Processes* 6(1):1–28.
- Tristan Miller, Chris Biemann, Torsten Zesch, and Iryna Gurevych. 2012. Using distributional similarity for lexical expansion in knowledge-based word sense disambiguation. In *Proceedings of COLING*. pages 1781–1796.
- Saif Mohammad and Graeme Hirst. 2012. Distributional measures of semantic distance: A survey. *CoRR* abs/1203.1858. <http://arxiv.org/abs/1203.1858>.
- Michael Mohler, Razvan Bunescu, and Rada Mihalcea. 2011. Learning to grade short answer questions using semantic similarity measures and dependency graph alignments. In *Proceedings of the 49th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies - Volume 1*. Portland, Oregon, HLT’11, pages 752–762.
- Roberto Navigli and Simone Paolo Ponzetto. 2012. BabelNet: The automatic construction, evaluation and application of a wide-coverage multilingual semantic network. *Artificial Intelligence* 193:217–250.
- Kim Anh Nguyen, Sabine Schulte im Walde, and Ngoc Thang Vu. 2016. Integrating distributional lexical contrast into word embeddings for antonym-synonym distinction. In *Proc. of ACL*. pages 454–459.
- Jeffrey Pennington, Richard Socher, and Christopher D Manning. 2014. GloVe: Global vectors for word representation. In *Proceedings of EMNLP*. pages 1532–1543.
- Nghia The Pham, Angeliki Lazaridou, and Marco Baroni. 2015. A multitask objective to inject lexical contrast into distributional semantics. In *Proceedings of ACL*. pages 21–26.
- Mohammad Taher Pilehvar and Roberto Navigli. 2014. A robust approach to aligning heterogeneous lexical resources. In *Proceedings of ACL*. pages 468–478.
- Behrang QasemiZadeh and Laura Kallmeyer. 2017. Hhu at semeval-2017 task 2: Fast hash-based embeddings for semantic word similarity assessment. In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Association for Computational Linguistics, Vancouver, Canada, pages 250–255. <http://www.aclweb.org/anthology/S17-2039>.
- Alessandro Raganato, Claudio Delli Bovi, and Roberto Navigli. 2016. Automatic Construction and Evaluation of a Large Semantically Enriched Wikipedia. In

- Proceedings of IJCAI*. New York City, USA, pages 2894–2900.
- Niloofar Ranjbar, Fatemeh Mashhadirajab, Mehrnoush Shamsfard, Rayehreh Hosseini pour, and Aryan Vahid pour. 2017. **Mahtab at semeval-2017 task 2: Combination of corpus-based and knowledge-based methods to measure semantic word similarity**. In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Association for Computational Linguistics, Vancouver, Canada, pages 256–260. <http://www.aclweb.org/anthology/S17-2040>.
- Philip Resnik. 1995. Using information content to evaluate semantic similarity in a taxonomy. In *Proceedings of IJCAI*. pages 448–453.
- Răzvan-Gabriel Rotari, Ionut Hulub, Stefan Oprea, Mihaela Plamada-Onofrei, Alina Beatrice Lorent, Raluca Preisler, Adrian Iftene, and Diana Trandabat. 2017. **Wild devs’ at semeval-2017 task 2: Using neural networks to discover word similarity**. In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Association for Computational Linguistics, Vancouver, Canada, pages 267–270. <http://www.aclweb.org/anthology/S17-2042>.
- Herbert Rubenstein and John B. Goodenough. 1965. Contextual correlates of synonymy. *Communications of the ACM* 8(10):627–633.
- Roy Schwartz, Roi Reichart, and Ari Rappoport. 2015. Symmetric pattern based word embeddings for improved word similarity prediction. *CoNLL 2015* pages 258–267.
- Mehrnoosh Shamsfard, Akbar Hesabi, Hakimeh Fadaei, Niloofar Mansoory, Ali Famian, Somayeh Bagherbeigi, Elham Fekri, Maliheh Monshizadeh, and S Mostafa Assi. 2010. Semi automatic development of farsnet; the persian wordnet. In *Proceedings of 5th Global WordNet Conference, Mumbai, India*. volume 29.
- Robert Speer, Joshua Chin, and Catherine Havasi. 2017. Conceptnet 5.5: An open multilingual graph of general knowledge. In *Proceedings of AAAI*. San Francisco, USA.
- Robert Speer and Joanna Lowry-Duda. 2017. **Conceptnet at semeval-2017 task 2: Extending word embeddings with multilingual relational knowledge**. In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*. Association for Computational Linguistics, Vancouver, Canada, pages 85–89. <http://www.aclweb.org/anthology/S17-2008>.
- Peter D. Turney and Patrick Pantel. 2010. From frequency to meaning: Vector space models of semantics. *Journal of Artificial Intelligence Research* 37:141–188.
- Shyam Upadhyay, Manaal Faruqui, Chris Dyer, and Dan Roth. 2016. **Cross-lingual models of word embeddings: An empirical comparison**. In *Proceedings of ACL*. Berlin, Germany, pages 1661–1670. <http://www.aclweb.org/anthology/P16-1157>.
- Ivan Vulić and Marie-Francine Moens. 2016. Bilingual distributed word representations from document-aligned comparable data. *Journal of Artificial Intelligence Research* 55:953–994.
- Min Xiao and Yuhong Guo. 2014. Semi-supervised matrix completion for cross-lingual text classification. In *Proceedings of AAAI*. pages 1607–1614.
- Dongqiang Yang and David MW Powers. 2006. Verb similarity on the taxonomy of wordnet. In *Proceedings of the Third International WordNet Conference*. Jeju Island, Korea, pages 121–128.
- Will Y. Zou, Richard Socher, Daniel M. Cer, and Christopher D Manning. 2013. Bilingual word embeddings for phrase-based machine translation. In *Proceedings of EMNLP*. pages 1393–1398.