

# A systematic study on the role of SentiWordNet in opinion mining

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Frontiers of Computer Science, DOI: [10.1007/s11704-019-9094-0](https://doi.org/10.1007/s11704-019-9094-0)

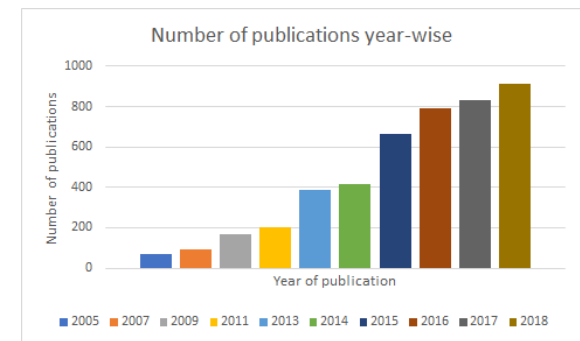
# Review of SentiWordNet

- **Sentiment lexicons (SL) are the repositories of one or several dictionaries that consist of known and precompiled sentiment terms**
  - Lexicon-based approaches in performing opinion mining (OM) tasks depends on selecting an appropriate opinion lexicon
  - SentiWordNet (SWN) is the most widely used lexicon to perform OM
- **A detailed and comprehensive review of the work related to OM using SentiWordNet**
  - Classifies the existing literature with respect to OM tasks and subtasks
  - In-depth discussions of the existing works at different granularity levels (word, sentences, document, aspect, clause, and concept levels)
  - Covers each work in the following dimensions: the designated task performed, granularity level of the task completed, results obtained, and feature dimensions
  - Summary of the related articles according to the granularity levels, publishing years, related tasks (or subtasks), and types of classifiers used

# Main Contributions

## Review of SentiWordNet Literature

- Our review classifies the existing studies on the basis of opinion mining (OM) tasks and subtasks
- Covers a very different outlook of the opinion mining field by discussing the works at different granularity levels - word, sentences, document, aspect, clause and concept levels
- State-of-the-art review presents each of surveyed article in following dimensions: the designated task which it completed, its granularity level, results obtained, and future directions



Trends in # publications in OM