List of papers on Ontology Learning

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1.Fuzzy semantic web ontology learning from fuzzy UML model
Summary : This paper proposed an approach for constructing fuzzy ontologies from fuzzy UML models.
Conference : Conference on Information and Knowledge Management (CIKM)
Year : 2009

2. Ontology Learning from Incomplete Semantic Web Data by BelNet
Summary : This paper introduced the architecture of BelNet, and corresponding lypropose the ontology learning techniques in it, and compared the experimental results of their approach with the state-of-the-art ontology learning approaches.
Conference : IEEE
Year : 2013

3. Extending a Lexical Ontology by a Combination of Distributional Semantics Signatures
Summary : They describe a procedure to automatically extend an ontology such as WordNet with domain-specific knowledge.
Conference : International Conference on Knowledge Engineering and Knowledge Management.
Year : 2002

4. Ontology Acquisition Process: A Framework for Experimenting with different NLP Techniques
Summary : They developed a framework for acquiring an ontology from a large collection of domain texts.
Conference : Proceedings of the UK e-Science All Hands
Year : 2007

5. Towards an Enhanced Framework for Learning Semantic Relation Classification
Summary : They have developed a unique framework for acquiring ontology relations from a large collection of domain independent texts.
Conference : International Conference on IT in Asia (CITA)
Year : 2011

6. Enriching very large ontologies using the WWW
Summary : The overall goal is to overcome two shortcomings of WordNet: the lack of topical links among concepts, and the proliferation of senses. Topic signatures are validated on a word sense disambiguation task with good results, which are improved when the hierarchical clusters are used.
Conference : ECAI Workshop on Ontology Learning
Year : 2000

7. Ontology Construction for Information Selection
Summary : We propose a new mechanism that can generate ontology automatically in order to make our approach scalable. For this we modify the existing self-organizing tree algorithm (SOTA) that constructs a hierarchy from top to bottom.
Conference : IEEE International Conference on Tools with Artificial Intelligence.

Year : 2002

8. Automatic extraction of semantic relationships for WordNet by means of pattern learning from Wikipedia
Summary : This paper describes an automatic approach to identify lexical patterns which represent semantic relationships between concepts, from an online encyclopedia. Next, these patterns can be applied to extend existing ontologies or semantic networks with new relations. The experiments have been performed with the Simple English Wikipedia and WordNet 1.7.
Conference : Data & Knowledge Engineering
Year : 2007

9. Ontology Learning for the Semantic Web
Summary : In this paper a general ontology-learning framework and architecture is explained and the ontology-learning cycle that they have implemented in their ontology-learning environment, Text-To-Onto, such as ontology learning from free text, dictionaries, or legacy ontologies is also discussed.
Conference : Journal - IEEE Intelligent Systems
Year : 2001

10. An Ontology-Based Approach to Disambiguation of Semantic Relations
Summary: This paper aims at disambiguation caused by multiple kind of relationships
Conference:

11. Natural Language Processing Ontology Learning and Its Application to Automated Terminology Translation
Summary: This try to derives ontology that can be used in autmated learning and terminology

12. Fine grained proper noun ontologies for question answering systems
Summary: This paper deals with an ontology for proper nouns which can help in question answering systems.

13. Learning Named Entity Hyponyms for Question Answering
Summary: This papers tries to build a hyponym ontology for question answering systems.

14. Ontology Based Question Answering using Semantic Similarity Matching
Summary: Another system which handles automatic question answering based on ontology.

15. AQUA: An Ontology-Driven Question Answering System
Summary: Another automated question answering system.