

Roberto Navigli

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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.

71
papers

3,542
citations

26
h-index

59
g-index

78
ext. papers

4,274
ext. citations

3.1
avg. IF

6.17
L-index

#	Paper	IF	Citations
71	Knowledge Graphs 2021 , 12, 1-257		20
70	Knowledge Graphs. <i>ACM Computing Surveys</i> , 2021 , 54, 1-37	13.4	85
69	Recent Trends in Word Sense Disambiguation: A Survey 2021 ,		6
68	Train-O-Matic: Supervised Word Sense Disambiguation with no (manual) effort. <i>Artificial Intelligence</i> , 2020 , 279, 103215	3.6	6
67	SenseDefs: a multilingual corpus of semantically annotated textual definitions. <i>Language Resources and Evaluation</i> , 2019 , 53, 251-278	1.8	1
66	An overview of word and sense similarity. <i>Natural Language Engineering</i> , 2019 , 25, 693-714	1.1	12
65	Knowledge-enhanced document embeddings for text classification. <i>Knowledge-Based Systems</i> , 2019 , 163, 955-971	7.3	46
64	Natural Language Understanding: Instructions for (Present and Future) Use 2018 ,		8
63	Multilingual semantic dictionaries for natural language processing: The case of BabelNet. <i>World Scientific Encyclopedia With Semantic Computing and Robotic Intelligence</i> , 2017 , 149-163	0	
62	Multilingual semantic dictionaries for natural language processing: The case of BabelNet. <i>Encyclopedia With Semantic Computing and Robotic Intelligence</i> , 2017 , 01, 1630015	0	1
61	Train-O-Matic: Large-Scale Supervised Word Sense Disambiguation in Multiple Languages without Manual Training Data 2017 ,		8
60	Word Sense Disambiguation: A Unified Evaluation Framework and Empirical Comparison 2017 ,		43
59	BabelDomains: Large-Scale Domain Labeling of Lexical Resources 2017 ,		6
58	Embedding Words and Senses Together via Joint Knowledge-Enhanced Training 2017 ,		14
57	Towards a Seamless Integration of Word Senses into Downstream NLP Applications 2017 ,		7
56	EuroSense: Automatic Harvesting of Multilingual Sense Annotations from Parallel Text 2017 ,		2
55	Nasari: Integrating explicit knowledge and corpus statistics for a multilingual representation of concepts and entities. <i>Artificial Intelligence</i> , 2016 , 240, 36-64	3.6	71

54	Sar-graphs: A language resource connecting linguistic knowledge with semantic relations from knowledge graphs. <i>Web Semantics</i> , 2016 , 37-38, 112-131	2.9	9
53	Ontologies 2016 ,		1
52	Cross level semantic similarity: an evaluation framework for universal measures of similarity. <i>Language Resources and Evaluation</i> , 2016 , 50, 5-33	1.8	5
51	MultiWiBi: The multilingual Wikipedia bitaxonomy project. <i>Artificial Intelligence</i> , 2016 , 241, 66-102	3.6	12
50	From senses to texts: An all-in-one graph-based approach for measuring semantic similarity. <i>Artificial Intelligence</i> , 2015 , 228, 95-128	3.6	41
49	GERBIL 2015 ,		79
48	Large-Scale Information Extraction from Textual Definitions through Deep Syntactic and Semantic Analysis. <i>Transactions of the Association for Computational Linguistics</i> , 2015 , 3, 529-543	5.6	22
47	SemEval-2015 Task 13: Multilingual All-Words Sense Disambiguation and Entity Linking 2015 ,		37
46	NASARI: a Novel Approach to a Semantically-Aware Representation of Items 2015 ,		26
45	Automatic Identification and Disambiguation of Concepts and Named Entities in the Multilingual Wikipedia. <i>Lecture Notes in Computer Science</i> , 2015 , 357-366	0.9	2
44	Open Knowledge Extraction Challenge. <i>Communications in Computer and Information Science</i> , 2015 , 3-150.3		14
43	Entity Linking meets Word Sense Disambiguation: a Unified Approach. <i>Transactions of the Association for Computational Linguistics</i> , 2014 , 2, 231-244	5.6	302
42	It's All Fun and Games until Someone Annotates: Video Games with a Purpose for Linguistic Annotation. <i>Transactions of the Association for Computational Linguistics</i> , 2014 , 2, 449-464	5.6	14
41	A Large-Scale Pseudoword-Based Evaluation Framework for State-of-the-Art Word Sense Disambiguation. <i>Computational Linguistics</i> , 2014 , 40, 837-881	2.8	23
40	A Robust Approach to Aligning Heterogeneous Lexical Resources 2014 ,		4
39	Two Is Bigger (and Better) Than One: the Wikipedia Bitaxonomy Project 2014 ,		26
38	Validating and Extending Semantic Knowledge Bases using Video Games with a Purpose 2014 ,		5
37	SemEval-2014 Task 3: Cross-Level Semantic Similarity 2014 ,		12

36	Collaboratively built semi-structured content and Artificial Intelligence: The story so far. <i>Artificial Intelligence</i> , 2013 , 194, 2-27	3.6	81
35	BabelNet and Friends: A manifesto for multilingual semantic processing. <i>Intelligenza Artificiale</i> , 2013 , 7, 165-181	0.7	5
34	Recent advancements in human language technology in Italy. <i>Intelligenza Artificiale</i> , 2013 , 7, 91-100	0.7	
33	Clustering and Diversifying Web Search Results with Graph-Based Word Sense Induction. <i>Computational Linguistics</i> , 2013 , 39, 709-754	2.8	76
32	OntoLearn Reloaded: A Graph-Based Algorithm for Taxonomy Induction. <i>Computational Linguistics</i> , 2013 , 39, 665-707	2.8	81
31	A Quick Tour of BabelNet 1.1. <i>Lecture Notes in Computer Science</i> , 2013 , 25-37	0.9	1
30	Semantic Rule Filtering for Web-Scale Relation Extraction. <i>Lecture Notes in Computer Science</i> , 2013 , 347-362	0.9	7
29	An Overview of BabelNet and its API for Multilingual Language Processing. <i>Theory and Applications of Natural Language Processing</i> , 2013 , 177-197	0.3	
28	BabelNet: The automatic construction, evaluation and application of a wide-coverage multilingual semantic network. <i>Artificial Intelligence</i> , 2012 , 193, 217-250	3.6	577
27	BabelNetXplorer 2012 ,		5
26	WiSeNet 2012 ,		6
25	A Quick Tour of Word Sense Disambiguation, Induction and Related Approaches. <i>Lecture Notes in Computer Science</i> , 2012 , 115-129	0.9	44
24	Two birds with one stone 2011 ,		15
23	Clustering Web Search Results with Maximum Spanning Trees. <i>Lecture Notes in Computer Science</i> , 2011 , 201-212	0.9	9
22	An experimental study of graph connectivity for unsupervised word sense disambiguation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 678-92	13.3	127
21	Word sense disambiguation. <i>ACM Computing Surveys</i> , 2009 , 41, 1-69	13.4	689
20	A software engineering approach to ontology building. <i>Information Systems</i> , 2009 , 34, 258-275	2.7	167
19	The English lexical substitution task. <i>Language Resources and Evaluation</i> , 2009 , 43, 139-159	1.8	33

18	A structural approach to the automatic adjudication of word sense disagreements. <i>Natural Language Engineering</i> , 2008 , 14, 547-573	1.1	15
17	Mining the Web to Create Specialized Glossaries. <i>IEEE Intelligent Systems</i> , 2008 , 23, 18-25	4.2	20
16	GlossExtractor: A Web Application to Automatically Create a Domain Glossary. <i>Lecture Notes in Computer Science</i> , 2007 , 339-349	0.9	2
15	SemEval-2007 task 07 2007 ,		39
14	SemEval-2007 task 10 2007 ,		40
13	Meaningful clustering of senses helps boost word sense disambiguation performance 2006 ,		26
12	Consistent Validation of Manual and Automatic Sense Annotations with the Aid of Semantic Graphs. <i>Computational Linguistics</i> , 2006 , 32, 273-281	2.8	5
11	Ensemble methods for unsupervised WSD 2006 ,		15
10	Ontology Enrichment Through Automatic Semantic Annotation of On-Line Glossaries. <i>Lecture Notes in Computer Science</i> , 2006 , 126-140	0.9	15
9	Structural semantic interconnections: a knowledge-based approach to word sense disambiguation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2005 , 27, 1075-86	13.3	141
8	AUTOMATIC ACQUISITION OF A THESAURUS OF INTEROPERABILITY TERMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 100-105		2
7	APPLYING THE UNIFIED PROCESS TO LARGE-SCALE ONTOLOGY BUILDING. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 94-99		
6	A Proposal for a Unified Process for Ontology Building: UPON. <i>Lecture Notes in Computer Science</i> , 2005 , 655-664	0.9	35
5	Learning Domain Ontologies from Document Warehouses and Dedicated Web Sites. <i>Computational Linguistics</i> , 2004 , 30, 151-179	2.8	207
4	Quantitative and qualitative evaluation of the OntoLearn ontology learning system 2004 ,		15
3	A Semantic-Based System for Querying Personal Digital Libraries. <i>Lecture Notes in Computer Science</i> , 2004 , 39-46	0.9	2
2	The OntoWordNet Project: Extension and Axiomatization of Conceptual Relations in WordNet. <i>Lecture Notes in Computer Science</i> , 2003 , 820-838	0.9	46
1	The Usable Ontology: An Environment for Building and Assessing a Domain Ontology. <i>Lecture Notes in Computer Science</i> , 2002 , 39-53	0.9	21

