

Giorgio Satta

List of Publications by Year in Descending Order

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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.

49
papers

284
citations

9
h-index

14
g-index

52
ext. papers

307
ext. citations

2.4
avg, IF

3.13
L-index

#	Paper	IF	Citations
49	Bottom-up unranked tree-to-graph transducers for translation into semantic graphs. <i>Theoretical Computer Science</i> , 2021 , 870, 3-28	1.1	
48	CYK Parsing over Distributed Representations. <i>Algorithms</i> , 2020 , 13, 262	1.8	0
47	Z-Automata for Compact and Direct Representation of Unranked Tree Languages. <i>Lecture Notes in Computer Science</i> , 2019 , 83-94	0.9	
46	Ordered Tree Decomposition for HRG Rule Extraction. <i>Computational Linguistics</i> , 2019 , 45, 339-379	2.8	
45	On the Complexity of CCG Parsing. <i>Computational Linguistics</i> , 2018 , 44, 447-482	2.8	4
44	Cache Transition Systems for Graph Parsing. <i>Computational Linguistics</i> , 2018 , 44, 85-118	2.8	2
43	Weighted DAG Automata for Semantic Graphs. <i>Computational Linguistics</i> , 2018 , 44, 119-186	2.8	4
42	An Incremental Parser for Abstract Meaning Representation 2017 ,		17
41	Synchronous Context-Free Grammars and Optimal Parsing Strategies. <i>Computational Linguistics</i> , 2016 , 42, 207-243	2.8	
40	Synchronous context-free grammars and optimal linear parsing strategies. <i>Journal of Computer and System Sciences</i> , 2015 , 81, 1333-1356	1	2
39	Lexicalization and Generative Power in CCG. <i>Computational Linguistics</i> , 2015 , 41, 215-247	2.8	11
38	Prefix probabilities for linear context-free rewriting systems. <i>Journal of Logic and Computation</i> , 2014 , 24, 331-350	0.4	1
37	A Tabular Method for Dynamic Oracles in Transition-Based Parsing. <i>Transactions of the Association for Computational Linguistics</i> , 2014 , 2, 119-130	5.6	6
36	A New Parsing Algorithm for Combinatory Categorical Grammar. <i>Transactions of the Association for Computational Linguistics</i> , 2014 , 2, 405-418	5.6	4
35	A Polynomial-Time Dynamic Oracle for Non-Projective Dependency Parsing 2014 ,		3
34	An information-theoretic measure to evaluate parsing difficulty across treebanks. <i>ACM Transactions on Speech and Language Processing</i> , 2013 , 9, 1-31		3
33	Efficient Parsing for Head-Split Dependency Trees. <i>Transactions of the Association for Computational Linguistics</i> , 2013 , 1, 267-278	5.6	3

32	Tree-Adjoining Grammars Are Not Closed Under Strong Lexicalization. <i>Computational Linguistics</i> , 2012 , 38, 617-629	2.8	3
31	Splittability of Bilexical Context-Free Grammars is Undecidable. <i>Computational Linguistics</i> , 2011 , 37, 867-889		
30	Complexity, Parsing, and Factorization of Tree-Local Multi-Component Tree-Adjoining Grammar. <i>Computational Linguistics</i> , 2010 , 36, 443-480	2.8	1
29	Theory of Parsing 2010 , 105-130		1
28	Discovering subword associations in strings in time linear in the output size. <i>Journal of Discrete Algorithms</i> , 2009 , 7, 227-238		4
27	Treebank grammar techniques for non-projective dependency parsing 2009 ,		13
26	Optimal reduction of rule length in linear context-free rewriting systems 2009 ,		5
25	Computing Partition Functions of PCFGs. <i>Research on Language and Computation</i> , 2008 , 6, 139-162		11
24	Computation of distances for regular and context-free probabilistic languages. <i>Theoretical Computer Science</i> , 2008 , 395, 235-254	1.1	6
23	Probabilistic Parsing. <i>Studies in Computational Intelligence</i> , 2008 , 229-258	0.8	2
22	Probabilistic context-free grammars estimated from infinite distributions. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007 , 29, 1379-93	13.3	8
21	Probabilistic parsing strategies. <i>Journal of the ACM</i> , 2006 , 53, 406-436	2	5
20	Estimation of consistent probabilistic context-free grammars 2006 ,		4
19	Cross-entropy and estimation of probabilistic context-free grammars 2006 ,		4
18	Some computational complexity results for synchronous context-free grammars 2005 ,		7
17	The language intersection problem for non-recursive context-free grammars. <i>Information and Computation</i> , 2004 , 192, 172-184	0.8	5
16	Probabilistic parsing strategies 2004 ,		2
15	An alternative method of training probabilistic LR parsers 2004 ,		2

14	Kullback-Leibler distance between probabilistic context-free grammars and probabilistic finite automata 2004 ,		3
13	Optimal Discovery of Subword Associations in Strings. <i>Lecture Notes in Computer Science</i> , 2004 , 270-277	0.9	3
12	Tabular Parsing. <i>Studies in Fuzziness and Soft Computing</i> , 2004 , 529-549	0.7	2
11	Efficient text fingerprinting via Parikh mapping. <i>Journal of Discrete Algorithms</i> , 2003 , 1, 409-421		40
10	Parsing non-recursive context-free grammars 2001 ,		3
9	Independent parallelism in finite copying parallel rewriting systems. <i>Theoretical Computer Science</i> , 1999 , 223, 87-120	1.1	26
8	Trading Independent for Synchronized Parallelism in Finite Copying Parallel Rewriting Systems. <i>Journal of Computer and System Sciences</i> , 1998 , 56, 27-45	1	2
7	A variant of Earley parsing. <i>Lecture Notes in Computer Science</i> , 1997 , 84-95	0.9	
6	Symbol Relation Grammars: A Formalism for Graphical Languages. <i>Information and Computation</i> , 1996 , 131, 1-46	0.8	35
5	Efficient tabular LR parsing 1996 ,		6
4	Bidirectional context-free grammar parsing for natural language processing. <i>Artificial Intelligence</i> , 1994 , 69, 123-164	3.6	9
3	A rank hierarchy for deterministic tree-walking transducers 1994 , 308-321		
2	Language modeling using stochastic context-free grammars. <i>Speech Communication</i> , 1993 , 13, 163-170	2.8	
1	Recognition of linear context-free rewriting systems 1992 ,		9