Francisco Casacuberta

List of Publications by Year
in descending order

84 papers	1,387 citations	393982 19 h-index	395343 33 g-index
91 all docs	91 docs citations	91 times ranked	574 citing authors

#	Article	IF	Citations
1	Probabilistic finite-state machines - part I. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1013-1025.	9.7	191
2	Statistical Approaches to Computer-Assisted Translation. Computational Linguistics, 2009, 35, 3-28.	2.5	118
3	Machine Translation with Inferred Stochastic Finite-State Transducers. Computational Linguistics, 2004, 30, 205-225.	2.5	87
4	Interactive neural machine translation. Computer Speech and Language, 2017, 45, 201-220.	2.9	67
5	An analysis of general acoustic-phonetic features for Spanish speech produced with the Lombard effect. Speech Communication, 1996, 20, 23-35.	1.6	49
6	Some approaches to statistical and finite-state speech-to-speech translation. Computer Speech and Language, 2004, 18, 25-47.	2.9	48
7	Probabilistic finite-state machines - part II. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1026-1039.	9.7	45
8	The EuTrans Spoken Language Translation System. Machine Translation, 2000, 15, 75-103.	1.3	36
9	Computational Complexity of Problems on Probabilistic Grammars and Transducers. Lecture Notes in Computer Science, 2000, , 15-24.	1.0	33
10	CASMACAT: An Open Source Workbench for Advanced Computer Aided Translation. Prague Bulletin of Mathematical Linguistics, 2013, 100, 101-112.	0.7	31
11	Inference of finite-state transducers from regular languages. Pattern Recognition, 2005, 38, 1431-1443.	5.1	29
12	Local Languages, the Succesor Method, and a Step Towards a General Methodology for the Inference of Regular Grammars. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1987, PAMI-9, 841-845.	9.7	27
13	Median strings for k-nearest neighbour classification. Pattern Recognition Letters, 2003, 24, 173-181.	2.6	27
14	Computer-assisted translation using speech recognition. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 941-951.	3.8	27
15	Interactive Pattern Recognition. , 2007, , 60-71.		25
16	Online adaptation strategies for statistical machine translation in post-editing scenarios. Pattern Recognition, 2012, 45, 3193-3203.	5.1	24
17	Online learning for effort reduction in interactive neural machine translation. Computer Speech and Language, 2019, 58, 98-126.	2.9	24
18	Recent efforts in spoken language translation. IEEE Signal Processing Magazine, 2008, 25, 80-88.	4.6	23

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19	Inference of Finite-State Transducers by Using Regular Grammars and Morphisms. Lecture Notes in Computer Science, 2000, , 1-14.	1.0	21
20	Human interaction for high-quality machine translation. Communications of the ACM, 2009, 52, 135-138.	3.3	21
21	Egocentric video description based on temporally-linked sequences. Journal of Visual Communication and Image Representation, 2018, 50, 205-216.	1.7	21
22	Interactive translation prediction versus conventional post-editing in practice: a study with the CasMaCatÂ workbench. Machine Translation, 2014, 28, 217-235.	1.3	20
23	A Syntactic Pattern Recognition Approach to Computer Assisted Translation. Lecture Notes in Computer Science, 2004, , 207-215.	1.0	19
24	Improving on-line handwritten recognition in interactive machine translation. Pattern Recognition, 2014, 47, 1217-1228.	5.1	19
25	Learning finite-state models for machine translation. Machine Learning, 2007, 66, 69-91.	3.4	18
26	GROWTH TRANSFORMATIONS FOR PROBABILISTIC FUNCTIONS OF STOCHASTIC GRAMMARS. International Journal of Pattern Recognition and Artificial Intelligence, 1996, 10, 183-201.	0.7	17
27	On the verification of triangle inequality by dynamic time-warping dissimilarity measures. Speech Communication, 1988, 7, 67-79.	1.6	16
28	Some Statistical-Estimation Methods for Stochastic Finite-State Transducers. Machine Learning, 2001, 44, 121-141.	3.4	16
29	Benign /malignant classifier of soft tissue tumors using MR imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2004, 16, 194-201.	1.1	15
30	Translating without in-domain corpus: Machine translation post-editing with online learning techniques. Computer Speech and Language, 2015, 32, 109-134.	2.9	15
31	CASMACAT: A Computer-assisted Translation Workbench. , 2014, , .		15
32	Architectures for speech-to-speech translation using finite-state models. , 2002, , .		14
33	Statistical phrase-based models for interactive computer-assisted translation. , 2006, , .		14
34	Improving interactive machine translation via mouse actions. , 2008, , .		14
35	The New Thot Toolkit for Fully-Automatic and Interactive Statistical Machine Translation. , 2014, , .		13
36	NMT-Keras: a Very Flexible Toolkit with a Focus on Interactive NMT and Online Learning. Prague Bulletin of Mathematical Linguistics, 2018, 111, 113-124.	0.7	11

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37	FINITE STATE LANGUAGE MODELS SMOOTHED USING n-GRAMS. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 275-289.	0.7	10
38	An active learning scenario for interactive machine translation. , 2011, , .		10
39	Segment-based interactive-predictive machine translation. Machine Translation, 2017, 31, 163-185.	1.3	10
40	Dimensionality reduction methods for machine translation quality estimation. Machine Translation, 2013, 27, 281-301.	1.3	9
41	Comparison between the Inside-Outside algorithm and the Viterbi algorithm for stochastic context-free grammars. Lecture Notes in Computer Science, 1996, , 50-59.	1.0	7
42	Interactive machine translation using a web-based architecture. , 2010, , .		6
43	On multimodal interactive machine translation using speech recognition. , 2011, , .		6
44	Combining Embeddings of Input Data for Text Classification. Neural Processing Letters, 2021, 53, 3123-3151.	2.0	6
45	Cost-sensitive active learning for computer-assisted translation. Pattern Recognition Letters, 2014, 37, 124-134.	2.6	5
46	Discriminative ridge regression algorithm for adaptation in statistical machine translation. Pattern Analysis and Applications, 2019, 22, 1293-1305.	3.1	5
47	Using Recurrent Neural Networks for Automatic Chromosome Classification. Lecture Notes in Computer Science, 2002, , 565-570.	1.0	4
48	PATTERN RECOGNITION APPROACHES FOR SPEECH-TO-SPEECH TRANSLATION. Cybernetics and Systems, 2004, 35, 3-17.	1.6	4
49	Maximum Entropy Modeling: A Suitable Framework to Learn Context-Dependent Lexicon Models for Statistical Machine Translation. Machine Learning, 2005, 60, 135-158.	3.4	4
50	Speech Translation with Phrase Based Stochastic Finite-State Transducers. , 2007, , .		4
51	Iterative Contextual Recurrent Classification of Chromosomes. Neural Processing Letters, 2007, 26, 159-175.	2.0	4
52	Multimodal interactive machine translation. , 2010, , .		4
53	Modernizing historical documents: A user Study. Pattern Recognition Letters, 2020, 133, 151-157.	2.6	4
54	Phrase-Based Alignment Models for Statistical Machine Translation. Lecture Notes in Computer Science, 2005, , 605-613.	1.0	4

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55	Chromosome Classification Using Continuous Hidden Markov Models. Lecture Notes in Computer Science, 2003, , 494-501.	1.0	4
56	Historical Documents Modernization. Prague Bulletin of Mathematical Linguistics, 2017, 108, 295-306.	0.7	4
57	Beyond Prefix-Based Interactive Translation Prediction. , 2016, , .		4
58	Learning Advanced Post-editing. New Frontiers in Translation Studies, 2016, , 95-110.	0.2	3
59	Multi-input CNN for Text Classification in Commercial Scenarios. Lecture Notes in Computer Science, 2019, , 596-608.	1.0	3
60	Neural Machine Translation. Revista Tradumatica, 2017, , 66-74.	0.4	3
61	A Novel Approach to Computer-Assisted Translation Based on Finite-State Transducers. Lecture Notes in Computer Science, 2006, , 32-42.	1.0	3
62	Statistical estimation of stochastic context-free grammars. Pattern Recognition Letters, 1995, 16, 565-573.	2.6	2
63	Automatic Segmentation of Bilingual Corpora: A Comparison of Different Techniques. Lecture Notes in Computer Science, 2005, , 614-621.	1.0	2
64	Joining linguistic and statistical methods for Spanish-to-Basque speech translation. Speech Communication, 2008, 50, 1021-1033.	1.6	2
65	Improving translation quality stability using Bayesian predictive adaptation. Computer Speech and Language, 2015, 34, 1-17.	2.9	2
66	GIATI: A General Methodology for Finite-State Translation Using Alignments. Lecture Notes in Computer Science, 2004, , 216-223.	1.0	2
67	GREAT. , 2009, , .		2
68	Inference of Phrase-Based Translation Models via Minimum Description Length. , 2014, , .		2
69	Integrating Online and Active Learning in a Computer-Assisted Translation Workbench. New Frontiers in Translation Studies, 2016, , 57-76.	0.2	2
70	Neural Models for Measuring Confidence on Interactive Machine Translation Systems. Applied Sciences (Switzerland), 2022, 12, 1100.	1.3	2
71	GREAT: open source software for statistical machine translation. Machine Translation, 2011, 25, 145-160.	1.3	1
72	On the optimal decision rule for sequential interactive structured prediction. Pattern Recognition Letters, 2012, 33, 2226-2231.	2.6	1

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73	Towards the Improvement of Statistical Translation Models Using Linguistic Features. Lecture Notes in Computer Science, 2006, , 716-725.	1.0	1
74	Prototypes and Demonstrators. , 2011, , 227-266.		1
75	Computer Assisted Transcription: General Framework. , 2011, , 47-59.		1
76	Passive-Aggressive for On-Line Learning in Statistical Machine Translation. Lecture Notes in Computer Science, 2011, , 240-247.	1.0	1
77	Inference of Stochastic Finite-State Transducers Using N-Gram Mixtures. Lecture Notes in Computer Science, 2007, , 282-289.	1.0	1
78	Introducing Additional Input Information into Interactive Machine Translation Systems. Lecture Notes in Computer Science, 0, , 284-295.	1.0	1
79	An Interactive Machine Translation Framework forÂModernizing theÂLanguage ofÂHistorical Documents. Lecture Notes in Computer Science, 2022, , 41-53.	1.0	1
80	Minimum description length inference of phrase-based translation models. Neural Computing and Applications, 2017, 28, 2403-2413.	3.2	0
81	Hierarchical Finite-State Models for Speech Translation Using Categorization of Phrases. Lecture Notes in Computer Science, 2010, , 484-493.	1.0	0
82	Log-Linear Weight Optimization Using Discriminative Ridge Regression Method inÂStatistical Machine Translation. Lecture Notes in Computer Science, 2017, , 32-41.	1.0	0
83	Interactive-Predictive Neural Multimodal Systems. Lecture Notes in Computer Science, 2019, , 16-28.	1.0	0
84	On the Use of Mouse Actions at the Character Level. Information (Switzerland), 2022, 13, 294.	1.7	0