Guido Zuccon

List of Publications by Year
in descending order

137 papers	1,862 citations	430874 18 h-index	454955 30 g-index
146 all docs	146 docs citations	146 times ranked	1241 citing authors

#	Article	IF	Citations
1	Overview of the ShARe/CLEF eHealth Evaluation Lab 2013. Lecture Notes in Computer Science, 2013, , 212-231.	1.3	127
2	Automatic ICD-10 classification of cancers from free-text death certificates. International Journal of Medical Informatics, 2015, 84, 956-965.	3.3	97
3	Medical Semantic Similarity with a Neural Language Model. , 2014, , .		90
4	Integrating and Evaluating Neural Word Embeddings in Information Retrieval. , 2015, , .		70
5	Using the Quantum Probability Ranking Principle to Rank Interdependent Documents. Lecture Notes in Computer Science, 2010, , 357-369.	1.3	59
6	Overview of the ShARe/CLEF eHealth Evaluation Lab 2014. Lecture Notes in Computer Science, 2014, , 172-191.	1.3	56
7	Active learning: a step towards automating medical concept extraction. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 289-296.	4.4	40
8	Crowdsourcing interactions: using crowdsourcing for evaluating interactive information retrieval systems. Information Retrieval, 2013, 16, 267-305.	2.0	39
9	Information retrieval as semantic inference: a Graph Inference model applied to medical search. Information Retrieval, 2016, 19, 6-37.	2.0	33
10	Overview of the CLEF eHealth Evaluation Lab 2015. Lecture Notes in Computer Science, 2015, , 429-443.	1.3	32
11	The Quantum Probability Ranking Principle for Information Retrieval. Lecture Notes in Computer Science, 2009, , 232-240.	1.3	32
12	Integrating the Framing of Clinical Questions via PICO into the Retrieval of Medical Literature for Systematic Reviews. , 2017, , .		30
13	Understandability Biased Evaluation for Information Retrieval. Lecture Notes in Computer Science, 2016, , 280-292.	1.3	28
14	Overview of the CLEF eHealth Evaluation Lab 2016. Lecture Notes in Computer Science, 2016, , 255-266.	1.3	27
15	CLEF 2017 eHealth Evaluation Lab Overview. Lecture Notes in Computer Science, 2017, , 291-303.	1.3	27
16	Top-k Retrieval Using Facility Location Analysis. Lecture Notes in Computer Science, 2012, , 305-316.	1.3	26
17	Exploiting medical hierarchies for concept-based information retrieval. , 2012, , .		25
18	Ranking Health Web Pages with Relevance and Understandability. , 2016, , .		24

#	Article	IF	Citations
19	searchrefiner. , 2018, , .		24
20	Automatic Boolean Query Refinement for Systematic Review Literature Search. , 2019, , .		24
21	Semantic Spaces: Measuring the Distance between Different Subspaces. Lecture Notes in Computer Science, 2009, , 225-236.	1.3	24
22	Active learning reduces annotation time for clinical concept extraction. International Journal of Medical Informatics, 2017, 106, 25-31.	3.3	23
23	Overview of the CLEF eHealth Evaluation Lab 2018. Lecture Notes in Computer Science, 2018, , 286-301.	1.3	23
24	An Analysis of the Cost and Benefit of Search Interactions. , 2016, , .		22
25	A Test Collection for Evaluating Retrieval of Studies for Inclusion in Systematic Reviews. , 2017, , .		22
26	Classification of cancer-related death certificates using machine learning. Australasian Medical Journal, 2013, 6, 292-300.	0.1	20
27	An evaluation of corpus-driven measures of medical concept similarity for information retrieval. , 2012, , .		19
28	A Test Collection for Matching Patients to Clinical Trials. , 2016, , .		19
29	The Influence of Pre-processing on the Estimation of Readability of Web Documents. , 2015, , .		19
30	De-identification of health records using Anonym: Effectiveness and robustness across datasets. Artificial Intelligence in Medicine, 2014, 61, 145-151.	6.5	18
31	An Analysis of Theories of Search and Search Behavior. , 2015, , .		18
32	Extracting cancer mortality statistics from death certificates: A hybrid machine learning and rule-based approach for common and rare cancers. Artificial Intelligence in Medicine, 2018, 89, 1-9.	6.5	18
33	A comparison of automatic Boolean query formulation for systematic reviews. Information Retrieval, 2021, 24, 3-28.	2.0	18
34	Generating Better Queries for Systematic Reviews. , 2018, , .		17
35	TrecTools. , 2019, , .		17
36	Diagnose This If You Can. Lecture Notes in Computer Science, 2015, , 562-567.	1.3	17

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37	Automatic Query Generation from Legal Texts for Case Law Retrieval. Lecture Notes in Computer Science, 2017, , 181-193.	1.3	16
38	A Test Collection for Evaluating Legal Case Law Search. , 2018, , .		16
39	Temporal tree representation for similarity computation between medical patients. Artificial Intelligence in Medicine, 2020, 108, 101900.	6.5	16
40	Generalizing Translation Models in the Probabilistic Relevance Framework. , 2016, , .		15
41	Overview of the CLEF eHealth Evaluation Lab 2019. Lecture Notes in Computer Science, 2019, , 322-339.	1.3	14
42	Graph-based concept weighting for medical information retrieval. , 2012, , .		13
43	Relevation!. , 2014, , .		13
44	Query Variation Performance Prediction for Systematic Reviews. , 2018, , .		13
45	Two Scrolls or One Click: A Cost Model for Browsing Search Results. Lecture Notes in Computer Science, 2016, , 696-702.	1.3	13
46	Automatic Classification of Free-Text Radiology Reports to Identify Limb Fractures using Machine Learning and the SNOMED CT Ontology. AMIA Summits on Translational Science Proceedings, 2013, 2013, 300-4.	0.4	13
47	Automated classification of limb fractures from free-text radiology reports using a clinician-informed gazetteer methodology. Australasian Medical Journal, 2013, 6, 301-307.	0.1	12
48	Automatic detection of tweets reporting cases of influenza like illnesses in Australia. Health Information Science and Systems, 2015, 3, S4.	5.2	12
49	Counterfactual Online Learning to Rank. Lecture Notes in Computer Science, 2020, , 415-430.	1.3	12
50	Query Variations and their Effect on Comparing Information Retrieval Systems. , 2016, , .		12
51	Generating Clinical Queries from Patient Narratives. , 2017, , .		12
52	Fixed-Cost Pooling Strategies. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1503-1522.	5.7	11
53	Search Engines vs. Symptom Checkers: A Comparison of their Effectiveness for Online Health Advice. , 2021, , .		11
54	Consumer Health Search on the Web: Study of Web Page Understandability and Its Integration in Ranking Algorithms. Journal of Medical Internet Research, 2019, 21, e10986.	4.3	11

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55	An analysis of evaluation campaigns in ad-hoc medical information retrieval: CLEF eHealth 2013 and 2014. Information Retrieval, 2018, 21, 507-540.	2.0	10
56	Assessors Agreement: A Case Study Across Assessor Type, Payment Levels, Query Variations and Relevance Dimensions. Lecture Notes in Computer Science, 2016, , 40-53.	1.3	10
57	The Lucene for Information Access and Retrieval Research (LIARR) Workshop at SIGIR 2017. , 2017, , .		10
58	Automatic Boolean Query Formulation for Systematic Review Literature Search. , 2020, , .		10
59	From Little Things Big Things Grow. , 2022, , .		10
60	Understanding negation and family history to improve clinical information retrieval. , 2014, , .		9
61	The Impact of Fixed-Cost Pooling Strategies on Test Collection Bias. , 2016, , .		9
62	Clinical information extraction using small data: An active learning approach based on sequence representations and word embeddings. Journal of the Association for Information Science and Technology, 2017, 68, 2543-2556.	2.9	9
63	Recursive module extraction using Louvain and PageRank. F1000Research, 2018, 7, 1286.	1.6	9
64	Health Cards for Consumer Health Search. , 2019, , .		9
65	You Can Teach an Old Dog New Tricks: Rank Fusion applied to Coordination Level Matching for Ranking in Systematic Reviews. Lecture Notes in Computer Science, 2020, , 399-414.	1.3	9
66	A Signature Approach to Patent Classification. Lecture Notes in Computer Science, 2015, , 413-419.	1.3	9
67	Fixed-Cost Pooling Strategies Based on IR Evaluation Measures. Lecture Notes in Computer Science, 2017, , 357-368.	1.3	9
68	External Knowledge and Query Strategies in Active Learning. , 2015, , .		9
69	Systematic Review Automation Tools for End-to-End Query Formulation. , 2020, , .		9
70	An Information Retrieval Experiment Framework for Domain Specific Applications. , 2018, , .		8
71	Approximate Nearest-Neighbour Search with Inverted Signature Slice Lists. Lecture Notes in Computer Science, 2015, , 147-158.	1.3	8
72	A comprehensive analysis of parameter settings for novelty-biased cumulative gain. , 2012, , .		7

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73	Efficient top-k retrieval with signatures. , 2013, , .		7
74	Exploiting Inference from Semantic Annotations for Information Retrieval. , 2014, , .		7
75	Federated Online Learning to Rank with Evolution Strategies: A Reproducibility Study. Lecture Notes in Computer Science, 2021, , 134-149.	1.3	7
76	Effective and Privacy-preserving Federated Online Learning to Rank. , 2021, , .		7
77	What makes an effective clinical query and querier?. Journal of the Association for Information Science and Technology, 2017, 68, 2557-2571.	2.9	6
78	MM. , 2018, , .		6
79	Deep Query Likelihood Model for Information Retrieval. Lecture Notes in Computer Science, 2021, , 463-470.	1.3	6
80	A Computational Approach for Objectively Derived Systematic Review Search Strategies. Lecture Notes in Computer Science, 2020, , 385-398.	1.3	6
81	Is the unigram relevance model term independent?. , 2012, , .		6
82	Fixed budget pooling strategies based on fusion methods. , 2017, , .		6
83	MeSH Term Suggestion for Systematic Review Literature Search. , 2021, , .		6
84	To Interpolate or not to Interpolate. , 2022, , .		6
85	Estimating interference in the QPRP for subtopic retrieval. , 2010, , .		5
86	The interactive PRP for diversifying document rankings. , 2011, , .		5
87	Task-oriented search for evidence-based medicine. International Journal on Digital Libraries, 2018, 19, 217-229.	1.5	5
88	Payoffs and pitfalls in using knowledge-bases for consumer health search. Information Retrieval, 2019, 22, 350-394.	2.0	5
89	Do better search engines really equate to better clinical decisions? If not, why not?. Journal of the Association for Information Science and Technology, 2021, 72, 141-155.	2.9	5
90	Economic Models of Interaction. , 2018, , .		5

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91	Revisiting logical imaging for information retrieval. , 2009, , .		5
92	Building and Using Models of Information Seeking, Search and Retrieval. , 2015, , .		5
93	How searching under time pressure impacts clinical decision making. Journal of the Medical Library Association: JMLA, 2020, 108, 564-573.	1.7	5
94	Representing EHRs with Temporal Tree and Sequential Pattern Mining for Similarity Computing. Lecture Notes in Computer Science, 2020, , 220-235.	1.3	5
95	Seed-Driven Document Ranking for Systematic Reviews: A Reproducibility Study. Lecture Notes in Computer Science, 2022, , 686-700.	1.3	5
96	How Does Feedback Signal Quality Impact Effectiveness of Pseudo Relevance Feedback for Passage Retrieval. , 2022, , .		5
97	A Formalization of Logical Imaging for Information Retrieval Using Quantum Theory. , 2008, , .		4
98	Has portfolio theory got any principles?. , 2010, , .		4
99	Document ranking with quantum probabilities. ACM SIGIR Forum, 2013, 47, 69-70.	0.5	4
100	Automatic query expansion: A structural linguistic perspective. Journal of the Association for Information Science and Technology, 2014, 65, 1577-1596.	2.9	4
101	How do Online Learning to Rank Methods Adapt to Changes of Intent?. , 2021, , .		4
102	Impact of a Search Engine on Clinical Decisions Under Time and System Effectiveness Constraints: Research Protocol. JMIR Research Protocols, 2019, 8, e12803.	1.0	4
103	Combining Word Semantics within Complex Hilbert Space for Information Retrieval. Lecture Notes in Computer Science, 2014, , 160-171.	1.3	4
104	Medical Free-Text to Concept Mapping as an Information Retrieval Problem. , 2014, , .		3
105	Boosting Titles does not Generally Improve Retrieval Effectiveness. , 2016, , .		3
106	Advances in Formal Models of Search and Search Behaviour. , 2016, , .		3
107	Choices in Knowledge-Base Retrieval forÂConsumer Health Search. Lecture Notes in Computer Science, 2018, , 72-85.	1.3	3
108	On the Volatility of Commercial Search Engines and its Impact on Information Retrieval Research. , 2018, , .		3

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109	CLEF eHealth 2019 Evaluation Lab. Lecture Notes in Computer Science, 2019, , 267-274.	1.3	3
110	When Two Is Better Than One: A Study of Ranking Paradigms and Their Integrations for Subtopic Retrieval. Lecture Notes in Computer Science, 2010, , 162-172.	1.3	3
111	On the use of Complex Numbers in Quantum Models for Information Retrieval. Lecture Notes in Computer Science, 2011, , 346-350.	1.3	3
112	Is Non-IID Data a Threat in Federated Online Learning to Rank?. , 2022, , .		3
113	Implicit Feedback for Dense Passage Retrieval. , 2022, , .		3
114	SIGIR 2018 Tutorial on Health Search (HS2018). , 2018, , .		2
115	Building Economic Models and Measures of Search. , 2019, , .		2
116	AUTOMATED CLASSIFICATION OF LIMB FRACTURES FROM FREE-TEXT RADIOLOGY REPORTS USING A CLINICIAN-INFORMED GAZETTEER METHODOLOGY. Australasian Medical Journal, 2013, 06, .	0.1	2
117	Quality Matters: Understanding the Impact of Incomplete Data on Visualization Recommendation. Lecture Notes in Computer Science, 2020, , 122-138.	1.3	2
118	Sampling Query Variations for Learning to Rank to Improve Automatic Boolean Query Generation in Systematic Reviews. , 2020, , .		2
119	Term associations in query expansion. , 2013, , .		1
120	Document Timespan Normalisation and Understanding Temporality for Clinical Records Search. , 2014, , .		1
121	A task completion framework to support single-interaction IR research. Journal of Documentation, 2018, 74, 289-308.	1.6	1
122	Building Economic Models of Human Computer Interaction. , 2019, , .		1
123	Diagnosis Ranking with Knowledge Graph Convolutional Networks. Lecture Notes in Computer Science, 2021, , 359-374.	1.3	1
124	<i>Big Brother:</i> A Drop-In Website Interaction Logging Service. , 2021, , .		1
125	Loss-based Active Learning for Named Entity Recognition. , 2021, , .		1
126	An Analysis of Ranking Principles and Retrieval Strategies. Lecture Notes in Computer Science, 2011, , 151-163.	1.3	1

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127	WSDM 2019 Tutorial on Health Search (HS2019). , 2019, , .		1
128	Health Card Retrieval for Consumer Health Search. , 2019, , .		1
129	Effective User Relevance Feedback for Image Retrieval with Image Signatures. , 2016, , .		0
130	SIGIR 2017 Tutorial on Health Search (HS2017). , 2017, , .		0
131	Linking Patents to Knowledge Sources. , 2018, , .		0
132	University of Glasgow at ImageCLEFPhoto 2009: Optimising Similarity and Diversity in Image Retrieval. Lecture Notes in Computer Science, 2010, , 133-141.	1.3	0
133	Revisiting Sub–topic Retrieval in the ImageCLEF 2009 Photo Retrieval Task. The Kluwer International Series on Information Retrieval, 2010, , 277-294.	1.0	0
134	Using Emotion to Diversify Document Rankings. Lecture Notes in Computer Science, 2011, , 337-341.	1.3	0
135	ADCS reaches adulthood. , 2013, , .		0
136	CLASSIFICATION OF CANCER-RELATED DEATH CERTIFICATES USING MACHINE LEARNING. Australasian Medical Journal, 2013, 06, .	0.1	0
137	Combining Word Semantics within Complex Hilbert Space for Information Retrieval. Lecture Notes in Computer Science, 2014, , 160-171.	1.3	0