Nicola Ferro

List of Publications by Year
in descending order

162 papers	1,388 citations	471371 17 h-index	552653 26 g-index
175 all docs	175 docs citations	175 times ranked	606 citing authors

#	ARTICLE	IF	CITATIONS
1	A formal model of annotations of digital content. ACM Transactions on Information Systems, 2007, 26, 3.	3.8	62
2	A probabilistic model for stemmer generation. Information Processing and Management, 2005, 41, 121-137.	5.4	45
3	Increasing Reproducibility in IR. ACM SIGIR Forum, 2016, 50, 68-82.	0.4	45
4	AWARE. ACM Transactions on Information Systems, 2017, 36, 1-38.	3.8	44
5	Annotations in Digital Libraries and Collaboratories â€" Facets, Models and Usage. Lecture Notes in Computer Science, 2004, , 244-255.	1.0	35
6	GeoCLEF 2007: The CLEF 2007 Cross-Language Geographic Information Retrieval Track Overview. Lecture Notes in Computer Science, 2008, , 745-772.	1.0	31
7	A General Linear Mixed Models Approach to Study System Component Effects. , 2016, , .		29
8	A historical and contemporary study on annotations to derive key features for systems design. International Journal on Digital Libraries, 2007, 8, 1-19.	1.1	27
9	SIGIR Initiative to Implement ACM Artifact Review and Badging. ACM SIGIR Forum, 2018, 52, 4-10.	0.4	26
10	Towards a Formal Framework for Utility-oriented Measurements of Retrieval Effectiveness. , 2015, , .		23
11	Annotating illuminated manuscripts. , 2005, , .		22
12	Digital library interoperability at high level of abstraction. Future Generation Computer Systems, 2016, 55, 129-146.	4.9	22
13	Reproducibility Challenges in Information Retrieval Evaluation. Journal of Data and Information Quality, 2017, 8, 1-4.	1.5	22
14	CLEF 2007: Ad Hoc Track Overview. Lecture Notes in Computer Science, 2008, , 13-32.	1.0	21
15	CLEF 2005: Ad Hoc Track Overview. Lecture Notes in Computer Science, 2006, , 11-36.	1.0	20
16	Annotations: Enriching a Digital Library. Lecture Notes in Computer Science, 2003, , 88-100.	1.0	20
17	Semantic representation and enrichment of information retrieval experimental data. International Journal on Digital Libraries, 2017, 18, 145-172.	1.1	19
18	GeoCLEF 2006: The CLEF 2006 Cross-Language Geographic Information Retrieval Track Overview. Lecture Notes in Computer Science, 2007, , 852-876.	1.0	19

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19	Toward an anatomy of IR system component performances. Journal of the Association for Information Science and Technology, 2018, 69, 187-200.	1.5	18
20	A General Theory of IR Evaluation Measures. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 409-422.	4.0	18
21	NESTOR: A formal model for digital archives. Information Processing and Management, 2013, 49, 1206-1240.	5.4	17
22	VIRTUE: A visual tool for information retrieval performance evaluation and failure analysis. Journal of Visual Languages and Computing, 2014, 25, 394-413.	1.8	17
23	Using Collection Shards to Study Retrieval Performance Effect Sizes. ACM Transactions on Information Systems, 2019, 37, 1-40.	3.8	17
24	Injecting user models and time into precision via Markov chains. , 2014, , .		16
25	Towards Meaningful Statements in IR Evaluation: Mapping Evaluation Measures to Interval Scales. IEEE Access, 2021, 9, 136182-136216.	2.6	16
26	CLEF 2004: Ad Hoc Track Overview and Results Analysis. Lecture Notes in Computer Science, 2005, , 10-26.	1.0	16
27	Are IR Evaluation Measures on an Interval Scale?. , 2017, , .		15
28	An Enhanced Evaluation Framework for Query Performance Prediction. Lecture Notes in Computer Science, 2021, , 115-129.	1.0	15
29	CLEF 2006: Ad Hoc Track Overview. Lecture Notes in Computer Science, 2007, , 21-34.	1.0	15
30	CLEF 2009 Ad Hoc Track Overview: TEL and Persian Tasks. Lecture Notes in Computer Science, 2010, , 13-35.	1.0	15
31	CLEF 15th Birthday. ACM SIGIR Forum, 2014, 48, 31-55.	0.4	14
32	Cultural Heritage in CLEF (CHiC) 2013. Lecture Notes in Computer Science, 2013, , 192-211.	1.0	14
33	DIRECTions: Design and Specification of an IR Evaluation Infrastructure. Lecture Notes in Computer Science, 2012, , 88-99.	1.0	13
34	The SIGIR 2019 Open-Source IR Replicability Challenge (OSIRRC 2019). , 2019, , .		13
35	The Importance of Scientific Data Curation for Evaluation Campaigns. Lecture Notes in Computer Science, 2007, , 157-166.	1.0	13
36	CLEF 2009: Grid@CLEF Pilot Track Overview. Lecture Notes in Computer Science, 2010, , 552-565.	1.0	13

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37	How to Measure the Reproducibility of System-oriented IR Experiments. , 2020, , .		13
38	Towards an infrastructure for digital library performance evaluation. , 2009, , 93-120.		12
39	3.5K runs, 5K topics, 3M assessments and 70M measures: What trends in 10 years of Adhoc-ish CLEF?. Information Processing and Management, 2017, 53, 175-202.	5.4	11
40	CLAIRE: A combinatorial visual analytics system for information retrieval evaluation. Information Processing and Management, 2018, 54, 1077-1100.	5.4	11
41	A System Architecture as a Support to a Flexible Annotation Service. Lecture Notes in Computer Science, 2005, , 147-166.	1.0	11
42	Overview of CENTRE@CLEF 2018: AÂFirst Tale in the Systematic Reproducibility Realm. Lecture Notes in Computer Science, 2018, , 239-246.	1.0	11
43	The NESTOR Framework: How to Handle Hierarchical Data Structures. Lecture Notes in Computer Science, 2009, , 215-226.	1.0	10
44	Rank-Biased Precision Reloaded: Reproducibility and Generalization. Lecture Notes in Computer Science, 2015, , 768-780.	1.0	10
45	Topic Difficulty: Collection and Query Formulation Effects. ACM Transactions on Information Systems, 2022, 40, 1-36.	3.8	10
46	Managing the Knowledge Creation Process of Large-Scale Evaluation Campaigns. Lecture Notes in Computer Science, 2009, , 63-74.	1.0	10
47	sMARE: a new paradigm to evaluate and understand query performance prediction methods. Information Retrieval, 2022, 25, 94-122.	1.6	10
48	Search Strategies for Finding Annotations and Annotated Documents: The FAST Service. Lecture Notes in Computer Science, 2006, , 270-281.	1.0	9
49	Annotation as a support to user interaction for content enhancement in digital libraries. , 2006, , .		9
50	Graph-based automatic suggestion of relationships among images of illuminated manuscripts. , 2006, , .		9
51	Interacting with digital cultural heritage collections via annotations. , 2013, , .		9
52	Continuation Methods and Curriculum Learning for Learning to Rank. , 2018, , .		9
53	Improving the Accuracy of System Performance Estimation by Using Shards. , 2019, , .		9
54	CLEF 15th Birthday: What Can We Learn From Ad Hoc Retrieval?. Lecture Notes in Computer Science, 2014, , 31-43.	1.0	9

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55	A Methodology for Sharing Archival Descriptive Metadata in a Distributed Environment. Lecture Notes in Computer Science, 2008, , 268-279.	1.0	9
56	Sub-corpora Impact on System Effectiveness. , 2017, , .		9
57	The Effiectiveness of a Graph-Based Algorithm for Stemming. Lecture Notes in Computer Science, 2002, , 117-128.	1.0	8
58	DESIRE 2011. ACM SIGIR Forum, 2012, 46, 51-55.	0.4	8
59	PROMISE retreat report prospects and opportunities for information access evaluation. ACM SIGIR Forum, 2012, 46, 60-84.	0.4	8
60	Measuring and Analyzing the Scholarly Impact of Experimental Evaluation Initiatives. Procedia Computer Science, 2014, 38, 133-137.	1.2	8
61	What Does Affect the Correlation Among Evaluation Measures?. ACM Transactions on Information Systems, 2018, 36, 1-40.	3.8	8
62	How do interval scales help us with better understanding IR evaluation measures?. Information Retrieval, 2020, 23, 289-317.	1.6	8
63	Experiments to Evaluate Probabilistic Models for Automatic Stemmer Generation and Query Word Translation. Lecture Notes in Computer Science, 2004, , 220-235.	1.0	8
64	The Dagstuhl Perspectives Workshop on Performance Modeling and Prediction. ACM SIGIR Forum, 2018, 52, 91-101.	0.4	8
65	Harnessing the Scientific Data Produced by the Experimental Evaluation Search Engines and Information Access Systems. Procedia Computer Science, 2011, 4, 740-749.	1.2	7
66	The twist measure for <scp>IR</scp> evaluation: Taking user's effort into account. Journal of the Association for Information Science and Technology, 2016, 67, 620-648.	1.5	7
67	Keyword-Based Search Over Databases: A Roadmap for a Reference Architecture Paired with an Evaluation Framework. Lecture Notes in Computer Science, 2016, , 1-20.	1.0	7
68	Scientific Data of an Evaluation Campaign: Do We Properly Deal with Them?. Lecture Notes in Computer Science, 2007, , 11-20.	1.0	7
69	Annotation Search: The FAST Way. Lecture Notes in Computer Science, 2009, , 15-26.	1.0	7
70	How robust are multilingual information retrieval systems?. , 2008, , .		6
71	The CLEF Monolingual Grid of Points. Lecture Notes in Computer Science, 2016, , 16-27.	1.0	6
72	Annotations as a Tool for Disclosing Hidden Relationships Between Illuminated Manuscripts. Lecture Notes in Computer Science, 2007, , 662-673.	1.0	6

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73	On Including the User Dynamic in Learning to Rank. , 2017, , .		6
74	CENTRE@CLEF 2019. Lecture Notes in Computer Science, 2019, , 283-290.	1.0	5
75	To Re-rank or to Re-query: Can Visual Analytics Solve This Dilemma?. Lecture Notes in Computer Science, 2011, , 119-130.	1.0	5
76	Cumulated Relative Position: A Metric for Ranking Evaluation. Lecture Notes in Computer Science, 2012, , 112-123.	1.0	5
77	How Do You Test a Test?. , 2022, , .		5
78	Direct. , 2008, , .		4
79	Visual interactive failure analysis. , 2012, , .		4
80	Evaluation of Conformance Checkers for Long-Term Preservation of Multimedia Documents. , 2018, , .		4
81	Hierarchical Dependence-aware Evaluation Measures for Conversational Search. , 2021, , .		4
82	System Effect Estimation by Sharding: A Comparison Between ANOVA Approaches to Detect Significant Differences. Lecture Notes in Computer Science, 2021, , 33-46.	1.0	4
83	Design of a Digital Library System for Large-Scale Evaluation Campaigns. Lecture Notes in Computer Science, 2008, , 400-401.	1.0	4
84	Improving Ranking Evaluation Employing Visual Analytics. Lecture Notes in Computer Science, 2013, , 29-40.	1.0	4
85	A Visual Analytics Approach for What-If Analysis of Information Retrieval Systems. , 2016, , .		4
86	Introduction to the Special Issue on Reproducibility in Information Retrieval. Journal of Data and Information Quality, 2018, 10, 1-4.	1.5	4
87	Managing the Interactions Between Handheld Devices, Mobile Applications, and Users. , 2003, , 205-234.		4
88	An Architecture for Sharing Metadata Among Geographically Distributed Archives. , 2007, , 56-65.		4
89	DESIRE 2011. , 2011, , .		3
90	PROMISE technology transfer day. ACM SIGIR Forum, 2013, 47, 53-58.	0.4	3

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91	Keyword search and evaluation over relational databases. , 2013, , .		3
92	Introduction to the Special Issue on Reproducibility in Information Retrieval. Journal of Data and Information Quality, 2018, 10, 1-4.	1.5	3
93	From Multilingual to Multimodal: The Evolution of CLEF over Two Decades. The Kluwer International Series on Information Retrieval, 2019, , 3-44.	1.0	3
94	Rethinking How to Extend Average Precision to Graded Relevance. Lecture Notes in Computer Science, 2014, , 19-30.	1.0	3
95	The Future of Large-Scale Evaluation Campaigns for Information Retrieval in Europe. Lecture Notes in Computer Science, 2007, , 509-512.	1.0	3
96	Digital Annotations: a Formal Model and its Applications. , 2008, , 113-146.		3
97	FAST and NESTOR: How to Exploit Annotation Hierarchies. Communications in Computer and Information Science, 2010, , 55-66.	0.4	3
98	Fostering Interaction with Cultural Heritage Material via Annotations: The FAST-CAT Way. Communications in Computer and Information Science, 2014, , 41-52.	0.4	3
99	CLEF 2014. ACM SIGIR Forum, 2014, 48, 56-62.	0.4	3
100	Overview of CENTRE@CLEF 2019: Sequel in the Systematic ReproducibilityÂRealm. Lecture Notes in Computer Science, 2019, , 287-300.	1.0	3
101	The role of the dikw hierarchy in the design of a digital library system for the scientific data of large-scale evaluation campaigns. , 2008, , .		2
102	Access and Exchange of Hierarchically Structured Resources on the Web with the NESTOR Framework. , 2009, , .		2
103	Information retrieval failure analysis: Visual analytics as a support for interactive “what-if” investigation. , 2012, , .		2
104	Towards a Semantic Web Enabled Representation of DL Foundational Models: The Quality Domain Example. Communications in Computer and Information Science, 2016, , 24-35.	0.4	2
105	Descendants, ancestors, children and parent: A set-based approach to efficiently address XPath primitives. Information Processing and Management, 2016, 52, 399-429.	5.4	2
106	LEARning Next gEneration Rankers (LEARNER 2017). , 2017, , .		2
107	Digital Libraries: From Digital Resources to Challenges in Scientific Data Sharing and Re-Use. Studies in Big Data, 2018, , 27-41.	0.8	2
108	An Innovative Approach to Data Management and Curation of Experimental Data Generated Through IR Test Collections. The Kluwer International Series on Information Retrieval, 2019, , 105-122.	1.0	2

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109	What Happened in CLEF $\ldots$ For a While?. Lecture Notes in Computer Science, 2019, , 3-45.	1.0	2
110	A PROMISE for Experimental Evaluation. Lecture Notes in Computer Science, 2010, , 140-144.	1.0	2
111	Report on ECIR 2016. ACM SIGIR Forum, 2016, 50, 12-27.	0.4	2
112	Exploiting Stopping Time to Evaluate Accumulated Relevance. , 2020, , .		2
113	A Visual Interactive Environment for Making Sense of Experimental Data. Lecture Notes in Computer Science, 2014, , 767-770.	1.0	2
114	The Road Towards Reproducibility in Science: The Case of Data Citation. Communications in Computer and Information Science, 2017, , 20-31.	0.4	2
115	A Statistical and Graphical Methodology for Comparing Bilingual to Monolingual Cross-Language Information Retrieval. , 2008, , 171-188.		2
116	Annotations: A Way to Interoperability in DL. Lecture Notes in Computer Science, 2008, , 291-295.	1.0	2
117	Design and Development of a Digital Archive of Illuminated Manuscripts. , 2007, , .		1
118	CLEF 2012. ACM SIGIR Forum, 2012, 46, 29-33.	0.4	1
119	1st International Workshop on Multilingual Web Access (MWA 2015). ACM SIGIR Forum, 2016, 49, 137-140.	0.4	1
120	Thirty Years of Digital Libraries Research at the University of Padua: The Systems Side. Communications in Computer and Information Science, 2018, , 30-41.	0.4	1
121	Thirty Years of Digital Libraries Research at the University of Padua: The User Side. Communications in Computer and Information Science, 2018, , 42-54.	0.4	1
122	Modelling Randomness in Relevance Judgments and Evaluation Measures. Lecture Notes in Computer Science, 2018, , 197-209.	1.0	1
123	Report on CLEF 2018. ACM SIGIR Forum, 2019, 52, 72-82.	0.4	1
124	A Markovian Approach to Evaluate Session-Based IR Systems. Lecture Notes in Computer Science, 2019, , 621-635.	1.0	1
125	Boosting learning to rank with user dynamics and continuation methods. Information Retrieval, 2020, 23, 528-554.	1.6	1
126	SIAR: A User-Centric Digital Archive System. Communications in Computer and Information Science, 2011, , 87-99.	0.4	1

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127	System And User Centered Evaluation Approaches in Interactive Information Retrieval (SAUCE 2016). , 2016, , .		1
128	Report on GLARE 2018. ACM SIGIR Forum, 2019, 52, 132-137.	0.4	1
129	Quality and Interoperability. , 2011, , 48-68.		1
130	Scientific Evaluation of a DLMS: A Service for Evaluating Information Access Components. Lecture Notes in Computer Science, 2006, , 536-539.	1.0	1
131	Empowering Archives through Annotations. Communications in Computer and Information Science, 2013, , 57-68.	0.4	1
132	Report on CLEF 2015. ACM SIGIR Forum, 2016, 49, 47-56.	0.4	1
133	Report on CLEF 2020. ACM SIGIR Forum, 2020, 54, 1-10.	0.4	1
134	Unsupervised Evaluation of Data Integration Processes. , 2020, , .		1
135	Experimental evaluation and hypertexts. , 2011, , .		0
136	CLEF 2010 conference on multilingual and multimodal information access evaluation. ACM SIGIR Forum, 2011, 44, 8-12.	0.4	0
137	CLEF 2011. ACM SIGIR Forum, 2012, 45, 32-37.	0.4	0
138	PROMISE winter school 2012 information retrieval meets information visualization. ACM SIGIR Forum, 2012, 46, 65-70.	0.4	0
139	PROMISE winter school 2013 bridging between information retrieval and databases. ACM SIGIR Forum, 2013, 47, 46-52.	0.4	0
140	CLEF 2013. ACM SIGIR Forum, 2013, 47, 15-20.	0.4	0
141	CULTURA Outcomes for Improving the User's Engagement with Cultural Heritage Collections. Procedia Computer Science, 2014, 38, 34-39.	1.2	0
142	Stochastic Relevance for Crowdsourcing. Lecture Notes in Computer Science, 2019, , 755-762.	1.0	0
143	How to Compare Bilingual to Monolingual Cross-Language Information Retrieval. Lecture Notes in Computer Science, 2007, , 533-540.	1.0	0
144	PROMISE â€" Participative Research labOratory for Multimedia and Multilingual Information Systems Evaluation. Communications in Computer and Information Science, 2011, , 140-143.	0.4	0

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145	Formal Models for Digital Archives: NESTOR and the 5S. Lecture Notes in Computer Science, 2013, , 192-203.	1.0	0
146	Digital Archives: Extending the 5S Model through NESTOR. Communications in Computer and Information Science, 2014, , 130-135.	0.4	0
147	Visual Analytics for Information Retrieval Evaluation (VAIRÃ‹ 2015). Lecture Notes in Computer Science, 2015, , 809-812.	1.0	0
148	Proposal for an Evaluation Framework for Compliance Checkers for Long-Term Digital Preservation. Communications in Computer and Information Science, 2017, , 125-136.	0.4	0
149	An Ontology to Make the DELOS Reference Model and the 5S Model Interoperable. Communications in Computer and Information Science, 2017, , 85-91.	0.4	0
150	Overview of Special Issue. ACM SIGIR Forum, 2017, 51, 1-25.	0.4	0
151	Report on CLEF 2017. ACM SIGIR Forum, 2018, 51, 67-77.	0.4	0
152	Report on LEARNER 2017. ACM SIGIR Forum, 2018, 51, 145-151.	0.4	0
153	Report on EVIA 2017. ACM SIGIR Forum, 2018, 52, 162-166.	0.4	0
154	Visual Analytics and IR Experimental Evaluation. The Kluwer International Series on Information Retrieval, 2019, , 565-582.	1.0	0
155	Report on ESSIR 2019. ACM SIGIR Forum, 2019, 53, 54-61.	0.4	0
156	Report on CLEF 2019. ACM SIGIR Forum, 2019, 53, 108-118.	0.4	0
157	Reproducibility of the Neural Vector Space Model via Docker. Communications in Computer and Information Science, 2020, , 3-8.	0.4	0
158	An Approach for the Construction of an Experimental Test Collection to Evaluate Search Systems that Exploit Annotations. , 2007, , 167-176.		0
159	Adding Multilingual Information Access to the European Library. , 2007, , 218-227.		0
160	Annotations and Digital Libraries: Designing Adequate Test-Beds. , 2007, , 150-159.		0
161	Report on the 12th conference and labs of the evaluation forum (CLEF 2021). ACM SIGIR Forum, 2021, 55, 1-12.	0.4	0
162	Workshop on Novel Methodologies for Evaluation in Information Retrieval. , 2008, , 713-713.		0