Ying Ding

List of Publications by Year
in descending order

146 papers	6,150 citations	87723 38 h-index	82410 72 g-index
152 all docs	152 docs citations	152 times ranked	4707 citing authors

#	ARTICLE	IF	CITATIONS
1	Bibliometric cartography of information retrieval research by using co-word analysis. Information Processing and Management, 2001, 37, 817-842.	5.4	599
2	PageRank for ranking authors in co‐citation networks. Journal of the Association for Information Science and Technology, 2009, 60, 2229-2243.	2.6	306
3	Scientific collaboration and endorsement: Network analysis of coauthorship and citation networks. Journal of Informetrics, 2011, 5, 187-203.	1.4	298
4	Applying centrality measures to impact analysis: A coauthorship network analysis. Journal of the Association for Information Science and Technology, 2009, 60, 2107-2118.	2.6	276
5	Popular and/or prestigious? Measures of scholarly esteem. Information Processing and Management, 2011, 47, 80-96.	5.4	213
6	Scholarly network similarities: How bibliographic coupling networks, citation networks, cocitation networks, topical networks, coauthorship networks, and coword networks relate to each other. Journal of the Association for Information Science and Technology, 2012, 63, 1313-1326.	2.6	178
7	Chem2Bio2RDF: a semantic framework for linking and data mining chemogenomic and systems chemical biology data. BMC Bioinformatics, 2010, 11, 255.	1.2	175
8	Content‐based citation analysis: The next generation of citation analysis. Journal of the Association for Information Science and Technology, 2014, 65, 1820-1833.	1.5	160
9	The cognitive structure of Library and Information Science: Analysis of article title words. Journal of the Association for Information Science and Technology, 2011, 62, 1933-1953.	2.6	139
10	Assessing Drug Target Association Using Semantic Linked Data. PLoS Computational Biology, 2012, 8, e1002574.	1.5	128
11	Discovering author impact: A PageRank perspective. Information Processing and Management, 2011, 47, 125-134.	5.4	125
12	Product data integration in B2B e-commerce. IEEE Intelligent Systems, 2001, 16, 54-59.	4.0	110
13	Ontology research and development. Part 1 - a review of ontology generation. Journal of Information Science, 2002, 28, 123-136.	2.0	109
14	Applying weighted PageRank to author citation networks. Journal of the Association for Information Science and Technology, 2011, 62, 236-245.	2.6	109
15	Community detection: Topological vs. topical. Journal of Informetrics, 2011, 5, 498-514.	1.4	102
16	Citation content analysis (<scp>CCA</scp>): A framework for syntactic and semantic analysis of citation content. Journal of the Association for Information Science and Technology, 2013, 64, 1490-1503.	2.6	102
17	The distribution of references across texts: Some implications for citation analysis. Journal of Informetrics, 2013, 7, 583-592.	1.4	99
18	Predicting drug target interactions using meta-path-based semantic network analysis. BMC Bioinformatics, 2016, 17, 160.	1.2	94

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19	Understanding scientific collaboration: Homophily, transitivity, and preferential attachment. Journal of the Association for Information Science and Technology, 2018, 69, 72-86.	1.5	94
20	Building a PubMed knowledge graph. Scientific Data, 2020, 7, 205.	2.4	94
21	The semantic web: yet another hip?. Data and Knowledge Engineering, 2002, 41, 205-227.	2.1	91
22	Mapping library and information science in China: a coauthorship network analysis. Scientometrics, 2010, 83, 115-131.	1.6	87
23	Finding Complex Biological Relationships in Recent PubMed Articles Using Bio-LDA. PLoS ONE, 2011, 6, e17243.	1.1	84
24	The shifting sands of disciplinary development: Analyzing North American Library and Information Science dissertations using latent Dirichlet allocation. Journal of the Association for Information Science and Technology, 2011, 62, 185-204.	2.6	82
25	Title is missing!. Scientometrics, 2000, 47, 55-73.	1.6	78
26	Understanding the topic evolution in a scientific domain: An exploratory study for the field of information retrieval. Journal of Informetrics, 2017, 11, 1175-1189.	1.4	75
27	Entitymetrics: Measuring the Impact of Entities. PLoS ONE, 2013, 8, e71416.	1.1	66
28	Semantic web portals: stateâ€ofâ€theâ€art survey. Journal of Knowledge Management, 2005, 9, 40-49.	3.2	58
29	Systems chemical biology and the Semantic Web: what they mean for the future of drug discovery research. Drug Discovery Today, 2012, 17, 469-474.	3.2	58
30	A bird's-eye view of scientific trading: Dependency relations among fields of science. Journal of Informetrics, 2013, 7, 249-264.	1.4	58
31	Mapping the intellectual structure of information retrieval studies: an author co-citation analysis, 1987-1997. Journal of Information Science, 1999, 25, 67-78.	2.0	57
32	Topics in dynamic research communities: An exploratory study for the field of information retrieval. Journal of Informetrics, 2012, 6, 140-153.	1.4	57
33	Standing on the shoulders of giants. Journal of Informetrics, 2017, 11, 307-323.	1.4	53
34	Patent citation analysis: Calculating science linkage based on citing motivation. Journal of the Association for Information Science and Technology, 2014, 65, 1007-1017.	1.5	50
35	Understanding persistent scientific collaboration. Journal of the Association for Information Science and Technology, 2018, 69, 438-448.	1.5	45
36	Topic-based heterogeneous rank. Scientometrics, 2015, 104, 313-334.	1.6	41

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37	Perspectives on social tagging. Journal of the Association for Information Science and Technology, 2009, 60, 2388-2401.	2.6	40
38	Pâ€Rank: An indicator measuring prestige in heterogeneous scholarly networks. Journal of the Association for Information Science and Technology, 2011, 62, 467-477.	2.6	40
39	An efficient system to fund science: from proposal review to peer-to-peer distributions. Scientometrics, 2017, 110, 521-528.	1.6	40
40	Bridging Multi Agent Systems and Web Services: towards interoperability between Software Agents and Semantic Web Services. 2006 10th IEEE International Enterprise Distributed Object Computing Conference (EDOC'06), 2006, , .	0.0	39
41	Community-based topic modeling for social tagging. , 2010, , .		39
42	From funding agencies to scientific agency. EMBO Reports, 2014, 15, 131-133.	2.0	38
43	Analyzing linguistic complexity and scientific impact. Journal of Informetrics, 2019, 13, 817-829.	1.4	36
44	Weighted citation: An indicator of an article's prestige. Journal of the Association for Information Science and Technology, 2010, 61, 1635-1643.	2.6	35
45	Monolingual and multilingual topic analysis using LDA and BERT embeddings. Journal of Informetrics, 2020, 14, 101055.	1.4	35
46	Mining patterns of author orders in scientific publications. Journal of Informetrics, 2012, 6, 359-367.	1.4	34
47	Overlaying communities and topics: an analysis on publication networks. Scientometrics, 2012, 90, 499-513.	1.6	32
48	Understanding the formation of interdisciplinary research from the perspective of keyword evolution: a case study on joint attention. Scientometrics, 2018, 117, 973-995.	1.6	32
49	edge2vec: Representation learning using edge semantics for biomedical knowledge discovery. BMC Bioinformatics, 2019, 20, 306.	1.2	32
50	Measuring the diffusion of an innovation: A citation analysis. Journal of the Association for Information Science and Technology, 2018, 69, 368-379.	1.5	31
51	Topicâ€based PageRank on author cocitation networks. Journal of the Association for Information Science and Technology, 2011, 62, 449-466.	2.6	30
52	Bibliometric information retrieval system (BIRS): A web search interface utilizing bibliometric research results. Journal of the Association for Information Science and Technology, 2000, 51, 1190-1204.	1.2	29
53	Mining Relational Paths in Integrated Biomedical Data. PLoS ONE, 2011, 6, e27506.	1.1	29
54	Innovation or imitation: The diffusion of citations. Journal of the Association for Information Science and Technology, 2018, 69, 1271-1282.	1.5	29

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55	WENDI: A tool for finding non-obvious relationships between compounds and biological properties, genes, diseases and scholarly publications. Journal of Cheminformatics, 2010, 2, 6.	2.8	28
56	Adding community and dynamic to topic models. Journal of Informetrics, 2012, 6, 237-253.	1.4	27
57	Improving integrative searching of systems chemical biology data using semantic annotation. Journal of Cheminformatics, 2012, 4, 6.	2.8	27
58	Research Productivity and Performance of Journals in the Creativity Sciences: A Bibliometric Analysis. Creativity Research Journal, 2014, 26, 353-360.	1.7	27
59	Measuring the stability of scientific collaboration. Scientometrics, 2018, 114, 463-479.	1.6	26
60	Author credit–assignment schemas: A comparison and analysis. Journal of the Association for Information Science and Technology, 2016, 67, 1973-1989.	1.5	25
61	Understanding success through the diversity of collaborators and the milestone of career. Journal of the Association for Information Science and Technology, 2018, 69, 87-97.	1.5	25
62	TSC â€" Triple Space Computing. Elektrotechnik Und Informationstechnik, 2007, 124, 31-38.	0.7	24
63	Data-driven Discovery: A New Era of Exploiting the Literature and Data. Journal of Data and Information Science, 2017, 1, 1-9.	0.5	24
64	Modeling Indirect Influence on Twitter. International Journal on Semantic Web and Information Systems, 2012, 8, 20-36.	2.2	23
65	Mining diversity subgraph in multidisciplinary scientific collaboration networks: A meso perspective. Journal of Informetrics, 2013, 7, 117-128.	1.4	23
66	Discovering Implicit Entity Relation with the Gene-Citation-Gene Network. PLoS ONE, 2013, 8, e84639.	1.1	23
67	Analyzing stock market trends using social media user moods and social influence. Journal of the Association for Information Science and Technology, 2019, 70, 1000-1013.	1.5	23
68	The pace of artificial intelligence innovations: Speed, talent, and trial-and-error. Journal of Informetrics, 2020, 14, 101094.	1.4	23
69	A Bibliometric Analysis of Collaboration in the Field of Information Retrieval. , 0, .		22
70	Semantic Web: Who is who in the field â€" a bibliometric analysis. Journal of Information Science, 2010, 36, 335-356.	2.0	21
71	Mining enriched contextual information of scientific collaboration: A meso perspective. Journal of the Association for Information Science and Technology, 2011, 62, 831-845.	2.6	21
72	Productivity and influence in bioinformatics: A bibliometric analysis using PubMed central. Journal of the Association for Information Science and Technology, 2014, 65, 352-371.	1.5	21

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73	Contrastive learning improves critical event prediction in COVID-19 patients. Patterns, 2021, 2, 100389.	3.1	21
74	A Bibliometric Analysis of Collaboration in the Field of Information Retrieval. International Information and Library Review, 1998, 30, 367-376.	0.8	20
75	Examining scientific writing styles from the perspective of linguistic complexity. Journal of the Association for Information Science and Technology, 2019, 70, 462-475.	1.5	20
76	Pandemics are catalysts of scientific novelty: Evidence from <scp>COVID</scp>â€19. Journal of the Association for Information Science and Technology, 2022, 73, 1065-1078.	1.5	19
77	Incorporating the results of co-word analyses to increase search variety for information retrieval. Journal of Information Science, 2000, 26, 429-451.	2.0	18
78	Tracing database usage: Detecting main paths in database link networks. Journal of Informetrics, 2015, 9, 1-15.	1.4	18
79	Predicting biomedical relationships using the knowledge and graph embedding cascade model. PLoS ONE, 2019, 14, e0218264.	1.1	18
80	Semantic inference using chemogenomics data for drug discovery. BMC Bioinformatics, 2011, 12, 256.	1.2	17
81	Journal clustering through interlocking editorship information. Proceedings of the American Society for Information Science and Technology, 2010, 47, 1-10.	0.2	16
82	Chem2Bio2RDF: A Linked Open Data Portal for Systems Chemical Biology. , 2010, , .		16
83	A leadâ€lag analysis of the topic evolution patterns for preprints and publications. Journal of the Association for Information Science and Technology, 2015, 66, 2643-2656.	1.5	16
84	Finding topic-level experts in scholarly networks. Scientometrics, 2013, 97, 797-819.	1.6	15
85	Analyzing knowledge entities about COVID-19 using entitymetrics. Scientometrics, 2021, 126, 4491-4509.	1.6	15
86	Author Credit for Transdisciplinary Collaboration. PLoS ONE, 2015, 10, e0137968.	1.1	15
87	Understanding Drug Repurposing From the Perspective of Biomedical Entities and Their Evolution: Bibliographic Research Using Aspirin. JMIR Medical Informatics, 2020, 8, e16739.	1.3	15
88	SemPathFinder: Semantic path analysis for discovering publicly unknown knowledge. Journal of Informetrics, 2015, 9, 686-703.	1.4	14
89	The dynamic features of Delicious, Flickr, and YouTube. Journal of the Association for Information Science and Technology, 2012, 63, 139-162.	2.6	13
90	Profiling Social Networks: A Social Tagging Perspective. D-Lib Magazine, 2009, 15, .	0.5	13

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91	The role of handbooks in knowledge creation and diffusion: A case of science and technology studies. Journal of Informetrics, 2014, 8, 693-709.	1.4	11
92	Number versus structure: towards citing cascades. Scientometrics, 2018, 117, 2177-2193.	1.6	11
93	Co‐contributorship network and division of labor in individual scientific collaborations. Journal of the Association for Information Science and Technology, 2020, 71, 1162-1178.	1.5	11
94	Scholarly conformity: Origins, framework, applications and implications. Proceedings of the American Society for Information Science and Technology, 2012, 49, 1-4.	0.2	10
95	Relational Learning Improves Prediction of Mortality in COVID-19 in the Intensive Care Unit. IEEE Transactions on Big Data, 2021, 7, 38-44.	4.4	10
96	Topic Modeling: Measuring Scholarly Impact Using a Topical Lens. , 2014, , 235-257.		10
97	Modeling topic and community structure in social tagging: The TTR-LDA-Community model. Journal of the Association for Information Science and Technology, 2011, 62, 1849-1866.	2.6	9
98	Journal impact and proximity: An assessment using bibliographic features. Journal of the Association for Information Science and Technology, 2013, 64, 802-817.	2.6	9
99	User‐level microblogging recommendation incorporating social influence. Journal of the Association for Information Science and Technology, 2017, 68, 553-568.	1.5	9
100	Topology-driven trend analysis for drug discovery. Journal of Informetrics, 2018, 12, 893-905.	1.4	9
101	Semantic word shifts in a scientific domain. Scientometrics, 2018, 117, 211-226.	1.6	9
102	Triple Space Computing Middleware for Semantic Web Services. , 2006, , .		8
103	Deep Learning with Heterogeneous Graph Embeddings for Mortality Prediction from Electronic Health Records. Data Intelligence, 2021, 3, 329-339.	0.8	8
104	Upper tag ontology for integrating social tagging data. Journal of the Association for Information Science and Technology, 2010, 61, 505-521.	2.6	7
105	Measuring scholarly impact in heterogeneous networks. Proceedings of the American Society for Information Science and Technology, 2010, 47, 1-7.	0.2	7
106	Modeling Ontology of Folksonomy with Latent Semantics of Tags. , 2010, , .		7
107	The Landscape of Causal Inference: Perspective From Citation Network Analysis. American Statistician, 2018, 72, 265-277.	0.9	7
108	Toward a Coronavirus Knowledge Graph. Genes, 2021, 12, 998.	1.0	7

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109	Semantic Web Portal: A Platform for Better Browsing and Visualizing Semantic Data. Lecture Notes in Computer Science, 2010, , 448-460.	1.0	7
110	Library and information science in the big data era: Funding, projects, and future [a panel proposal]. Proceedings of the American Society for Information Science and Technology, 2012, 49, 1-3.	0.2	6
111	Time-Related Patient Data Retrieval for the Case Studies from the Pharmacogenomics Research Network. Journal of Medical Systems, 2012, 36, 37-42.	2.2	6
112	Adopting Text Mining on Rehabilitation Therapy Repositioning for Stroke. Frontiers in Neuroinformatics, 2019, 13, 17.	1.3	6
113	From zero to one: A perspective on citing. Journal of the Association for Information Science and Technology, 2019, 70, 1098-1107.	1.5	6
114	Scholarly Networks Analysis. , 2014, , 1643-1651.		6
115	Monitoring knowledge flow through scholarly networks. Proceedings of the American Society for Information Science and Technology, 2012, 49, 1-5.	0.2	4
116	Semantic Breakthrough in Drug Discovery. Synthesis Lectures on the Semantic Web: Theory and Technology, 2014, 4, 1-142.	5.0	4
117	Interdisciplinary scholarly communication: an exploratory study for the field of joint attention. Scientometrics, 2019, 119, 1597-1619.	1.6	4
118	Exploring direct citations between citing publications. Journal of Information Science, 2021, 47, 615-626.	2.0	4
119	Contributorship in scientific collaborations: The perspective of contribution-based byline orders. Information Processing and Management, 2022, 59, 102944.	5.4	4
120	Data Mediation Support for Triple Space Computing. , 2006, , .		3
121	Multiple spreaders affect the indirect influence on twitter. , 2012, , .		3
122	Biomedical Knowledge Graph Refinement and Completion Using Graph Representation Learning and Top-K Similarity Measure. Lecture Notes in Computer Science, 2021, , 112-123.	1.0	3
123	Knowledge graph analytics platform with LINCS and IDG for Parkinson's disease target illumination. BMC Bioinformatics, 2022, 23, 37.	1.2	3
124	Integrating social tagging data: Upper Tag Ontology (UTO). Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	2
125	Utilizing Web2.0 in Web Service Ranking. , 2009, , .		2
126	Dynamic Features of Social Tagging Vocabulary: Delicious, Flickr and YouTube. , 2010, , .		2

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127	There is more than complex contagion. , 2012, , .		2
128	Semantic Search on Cross-Media Cultural Archives. , 2007, , 375-380.		2
129	Towards a Domain Oriented and Independent Semantic Search Model. , 2007, , 736-744.		1
130	A Comparative analysis of user-generated and author-generated metadata for web resources. Proceedings of the American Society for Information Science and Technology, 2010, 47, 1-2.	0.2	1
131	Using Web Technologies for Integrative Drug Discovery. , 2010, , .		1
132	Muzk Mesh: Interlinking Semantic Music Data. , 2010, , .		1
133	A Journal for Human and Machine. Data Intelligence, 2019, 1, 1-5.	0.8	1
134	Understanding Team Collaboration in Artificial Intelligence from the Perspective of Geographic Distance. Lecture Notes in Computer Science, 2021, , 14-23.	1.0	1
135	Scholarly Network Analysis. , 2018, , 2327-2335.		1
136	Using Machine Reading to Understand Alzheimerâ€™s and Related Diseases from the Literature. Journal of Data and Information Science, 2017, 2, 81-94.	0.5	1
137	Reply to issues about entitymetrics and paper-entity citation network. Scientometrics, 2022, 127, 2127-2129.	1.6	1
138	Library and information science (LIS) as we see it: An overview at the state and country level from 1965-2010. Proceedings of the American Society for Information Science and Technology, 2011, 48, 1-8.	0.2	0
139	How can spreaders affect the indirect infuence on twitter?. , 2012, , .		0
140	Bilingual researcher profiles: Modeling dutch researchers in both english and dutch using the VIVO ontology. Proceedings of the American Society for Information Science and Technology, 2013, 50, 1-4.	0.2	0
141	Who bridged the â€œValley of Deathâ€•between basic research and clinical research? In the case of immuneâ€checkpoints CTLAâ€4 and PDâ€1 based on interâ€citation network. Proceedings of the Association for Information Science and Technology, 2017, 54, 855-856.	0.3	0
142	Scholarly Network Analysis. , 2016, , 1-9.		0
143	Using Entity Metrics to Understand Drug Repurposing. AMIA Summits on Translational Science Proceedings, 2020, 2020, 377-382.	0.4	0
144	Building the COVID-19 Portal By Integrating Literature, Clinical Trials, and Knowledge Graphs. , 2021, , .		0

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145	Cross-Regional Analysis of the Aging Phenomenon of Biomedical Scholars. Lecture Notes in Computer Science, 2022, , 244-254.	1.0	0
146	Elapsed Collective Memory: Looking for the Forgotten Classic Works in Library and Information Science. Lecture Notes in Computer Science, 2022, , 61-68.	1.0	0