Ying Ding

List of Publications by Citations

143 papers	4,301 citations	35 h-index	62 g-index
152 ext. papers	5,167 ext. citations	3.1 avg, IF	5.95 L-index

#	Paper	IF	Citations
143	Bibliometric cartography of information retrieval research by using co-word analysis. *Information Processing and Management*, **2001**, 37, 817-842	6.3	416
142	PageRank for ranking authors in co-citation networks. *Journal of the Association for Information Science and Technology*, **2009**, 60, 2229-2243		224
141	Applying centrality measures to impact analysis: A coauthorship network analysis. *Journal of the Association for Information Science and Technology*, **2009**, 60, 2107-2118		215
140	Scientific collaboration and endorsement: Network analysis of coauthorship and citation networks. *Journal of Informetrics*, **2011**, 5, 187-203	3.1	194
139	Chem2Bio2RDF: a semantic framework for linking and data mining chemogenomic and systems chemical biology data. *BMC Bioinformatics*, **2010**, 11, 255	3.6	154
138	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		128
137	Popular and/or prestigious? Measures of scholarly esteem. *Information Processing and Management*, **2011**, 47, 80-96	6.3	123
136	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		117
135	Content-based citation analysis: The next generation of citation analysis. *Journal of the Association for Information Science and Technology*, **2014**, 65, 1820-1833	2.7	116
134	Assessing drug target association using semantic linked data. *PLoS Computational Biology*, **2012**, 8, e1002574	5	102
133	Discovering author impact: A PageRank perspective. *Information Processing and Management*, **2011**, 47, 125-134	6.3	86
132	Applying weighted PageRank to author citation networks. *Journal of the Association for Information Science and Technology*, **2011**, 62, 236-245		83
131	Community detection: Topological vs. topical. *Journal of Informetrics*, **2011**, 5, 498-514	3.1	82
130	. *IEEE Intelligent Systems*, **2001**, 16, 54-59	4.2	81
129	Predicting drug target interactions using meta-path-based semantic network analysis. *BMC Bioinformatics*, **2016**, 17, 160	3.6	72
128	The distribution of references across texts: Some implications for citation analysis. *Journal of Informetrics*, **2013**, 7, 583-592	3.1	72
127	Citation content analysis (CCA): A framework for syntactic and semantic analysis of citation content. *Journal of the Association for Information Science and Technology*, **2013**, 64, 1490-1503		69

126	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		69
125	Ontology research and development. Part 1 - a review of ontology generation. *Journal of Information Science*, **2002**, 28, 123-136	2	69
124	Finding complex biological relationships in recent PubMed articles using Bio-LDA. *PLoS ONE*, **2011**, 6, e17243	3.7	65
123	The semantic web: yet another hip?. *Data and Knowledge Engineering*, **2002**, 41, 205-227	1.5	65
122	Mapping library and information science in China: a coauthorship network analysis. *Scientometrics*, **2010**, 83, 115-131	3	63
121	Journal as Markers of Intellectual Space: Journal Co-Citation Analysis of Information Retrieval Area, 1987–1997. *Scientometrics*, **2000**, 47, 55-73	3	63
120	Understanding scientific collaboration: Homophily, transitivity, and preferential attachment. *Journal of the Association for Information Science and Technology*, **2018**, 69, 72-86	2.7	60
119	Entitymetrics: measuring the impact of entities. *PLoS ONE*, **2013**, 8, e71416	3.7	50
118	Systems chemical biology and the Semantic Web: what they mean for the future of drug discovery research. *Drug Discovery Today*, **2012**, 17, 469-74	8.8	49
117	Topics in dynamic research communities: An exploratory study for the field of information retrieval. *Journal of Informetrics*, **2012**, 6, 140-153	3.1	48
116	Mapping the intellectual structure of information retrieval studies: an author co-citation analysis, 1987-1997. *Journal of Information Science*, **1999**, 25, 67-78	2	47
115	Standing on the shoulders of giants. *Journal of Informetrics*, **2017**, 11, 307-323	3.1	39
114	A bird's-eye view of scientific trading: Dependency relations among fields of science. *Journal of Informetrics*, **2013**, 7, 249-264	3.1	39
113	Patent citation analysis: Calculating science linkage based on citing motivation. *Journal of the Association for Information Science and Technology*, **2014**, 65, 1007-1017	2.7	38
112	Building a PubMed knowledge graph. *Scientific Data*, **2020**, 7, 205	8.2	36
111	Understanding the topic evolution in a scientific domain: An exploratory study for the field of information retrieval. *Journal of Informetrics*, **2017**, 11, 1175-1189	3.1	35
110	Perspectives on social tagging. *Journal of the Association for Information Science and Technology*, **2009**, 60, 2388-2401		35
109	Semantic web portals: state-of-the-art survey. *Journal of Knowledge Management*, **2005**, 9, 40-49	7.3	35

108	Community-based topic modeling for social tagging **2010**,		34
107	Topic-based heterogeneous rank. *Scientometrics*, **2015**, 104, 313-334	3	33
106	Mining patterns of author orders in scientific publications. *Journal of Informetrics*, **2012**, 6, 359-367	3.1	29
105	Understanding persistent scientific collaboration. *Journal of the Association for Information Science and Technology*, **2018**, 69, 438-448	2.7	27
104	From funding agencies to scientific agency: Collective allocation of science funding as an alternative to peer review. *EMBO Reports*, **2014**, 15, 131-3	6.5	27
103	WENDI: A tool for finding non-obvious relationships between compounds and biological properties, genes, diseases and scholarly publications. *Journal of Cheminformatics*, **2010**, 2, 6	8.6	27
102	Overlaying communities and topics: an analysis on publication networks. *Scientometrics*, **2012**, 90, 499-513	3	26
101	Mining relational paths in integrated biomedical data. *PLoS ONE*, **2011**, 6, e27506	3.7	26
100	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 (EDOC06)*, **2006**,		26
99	Improving integrative searching of systems chemical biology data using semantic annotation. *Journal of Cheminformatics*, **2012**, 4, 6	8.6	23
98	An efficient system to fund science: from proposal review to peer-to-peer distributions. *Scientometrics*, **2017**, 110, 521-528	3	23
97	Mining diversity subgraph in multidisciplinary scientific collaboration networks: A meso perspective. *Journal of Informetrics*, **2013**, 7, 117-128	3.1	21
96	Adding community and dynamic to topic models. *Journal of Informetrics*, **2012**, 6, 237-253	3.1	21
95	Measuring the diffusion of an innovation: A citation analysis. *Journal of the Association for Information Science and Technology*, **2018**, 69, 368-379	2.7	21
94	Analyzing linguistic complexity and scientific impact. *Journal of Informetrics*, **2019**, 13, 817-829	3.1	20
93	Innovation or imitation: The diffusion of citations. *Journal of the Association for Information Science and Technology*, **2018**, 69, 1271-1282	2.7	20
92	A Bibliometric Analysis of Collaboration in the Field of Information Retrieval		20
91	Semantic Web: Who is who in the field a bibliometric analysis. *Journal of Information Science*, **2010**, 36, 335-356	2	19

90	Discovering implicit entity relation with the gene-citation-gene network. *PLoS ONE*, **2013**, 8, e84639	3.7	18
89	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		18
88	Data-driven Discovery: A New Era of Exploiting the Literature and Data. *Journal of Data and Information Science*, **2017**, 1, 1-9	1.2	18
87	Productivity and influence in bioinformatics: A bibliometric analysis using PubMed central. *Journal of the Association for Information Science and Technology*, **2014**, 65, 352-371	2.7	17
86	Mining enriched contextual information of scientific collaboration: A meso perspective. *Journal of the Association for Information Science and Technology*, **2011**, 62, 831-845		17
85	Author credit-assignment schemas: A comparison and analysis. *Journal of the Association for Information Science and Technology*, **2016**, 67, 1973-1989	2.7	17
84	Measuring the stability of scientific collaboration. *Scientometrics*, **2018**, 114, 463-479	3	17
83	Understanding the formation of interdisciplinary research from the perspective of keyword evolution: a case study on joint attention. *Scientometrics*, **2018**, 117, 973-995	3	17
82	Monolingual and multilingual topic analysis using LDA and BERT embeddings. *Journal of Informetrics*, **2020**, 14, 101055	3.1	16
81	Semantic inference using chemogenomics data for drug discovery. *BMC Bioinformatics*, **2011**, 12, 256	3.6	16
80	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	2.7	15
79	Modeling Indirect Influence on Twitter. *International Journal on Semantic Web and Information Systems*, **2012**, 8, 20-36	1.4	15
78	Weighted citation: An indicator of an article's prestige. *Journal of the Association for Information Science and Technology*, **2010**, 61, n/a-n/a		15
77	Incorporating the results of co-word analyses to increase search variety for information retrieval. *Journal of Information Science*, **2000**, 26, 429-451	2	15
76	edge2vec: Representation learning using edge semantics for biomedical knowledge discovery. *BMC Bioinformatics*, **2019**, 20, 306	3.6	14
75	Research Productivity and Performance of Journals in the Creativity Sciences: A Bibliometric Analysis. *Creativity Research Journal*, **2014**, 26, 353-360	1.8	14
74	A lead-lag analysis of the topic evolution patterns for preprints and publications. *Journal of the Association for Information Science and Technology*, **2015**, 66, 2643-2656	2.7	14
73	A Bibliometric Analysis of Collaboration in the Field of Information Retrieval. *International Information and Library Review*, **1998**, 30, 367-376	0.6	14

72	Tracing database usage: Detecting main paths in database link networks. *Journal of Informetrics*, **2015**, 9, 1-15	3.1	13
71	Journal clustering through interlocking editorship information. *Proceedings of the American Society for Information Science and Technology*, **2010**, 47, 1-10		13
70	TSC Triple Space Computing. *Elektrotechnik Und Informationstechnik*, **2007**, 124, 31-38	0.4	13
69	Finding topic-level experts in scholarly networks. *Scientometrics*, **2013**, 97, 797-819	3	12
68	Examining scientific writing styles from the perspective of linguistic complexity. *Journal of the Association for Information Science and Technology*, **2019**, 70, 462-475	2.7	12
67	SemPathFinder: Semantic path analysis for discovering publicly unknown knowledge. *Journal of Informetrics*, **2015**, 9, 686-703	3.1	11
66	The dynamic features of Delicious, Flickr, and YouTube. *Journal of the Association for Information Science and Technology*, **2012**, 63, 139-162		11
65	Author Credit for Transdisciplinary Collaboration. *PLoS ONE*, **2015**, 10, e0137968	3.7	11
64	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	2.7	11
63	Topic-based PageRank on author cocitation networks. *Journal of the Association for Information Science and Technology*, **2011**, 62, n/a-n/a		10
62	Predicting biomedical relationships using the knowledge and graph embedding cascade model. *PLoS ONE*, **2019**, 14, e0218264	3.7	9
61	The role of handbooks in knowledge creation and diffusion: A case of science and technology studies. *Journal of Informetrics*, **2014**, 8, 693-709	3.1	9
60	Scholarly conformity: Origins, framework, applications and implications. *Proceedings of the American Society for Information Science and Technology*, **2012**, 49, 1-4		9
59	Chem2Bio2RDF: A Linked Open Data Portal for Systems Chemical Biology **2010**,		9
58	P-Rank: An indicator measuring prestige in heterogeneous scholarly networks. *Journal of the Association for Information Science and Technology*, **2010**, 62, n/a-n/a		9
57	Number versus structure: towards citing cascades. *Scientometrics*, **2018**, 117, 2177-2193	3	9
56	User-level microblogging recommendation incorporating social influence. *Journal of the Association for Information Science and Technology*, **2017**, 68, 553-568	2.7	8
55	The pace of artificial intelligence innovations: Speed, talent, and trial-and-error. *Journal of Informetrics*, **2020**, 14, 101094	3.1	8

54	Analyzing knowledge entities about COVID-19 using entitymetrics. *Scientometrics*, **2021**, 126, 1-19	3	8
53	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		7
52	Understanding Drug Repurposing From the Perspective of Biomedical Entities and Their Evolution: Bibliographic Research Using Aspirin. *JMIR Medical Informatics*, **2020**, 8, e16739	3.6	7
51	Profiling Social Networks: A Social Tagging Perspective. *D-Lib Magazine*, **2009**, 15,		7
50	Topology-driven trend analysis for drug discovery. *Journal of Informetrics*, **2018**, 12, 893-905	3.1	6
49	Time-related patient data retrieval for the case studies from the pharmacogenomics research network. *Journal of Medical Systems*, **2012**, 36 Suppl 1, S37-42	5.1	6
48	Journal impact and proximity: An assessment using bibliographic features. *Journal of the Association for Information Science and Technology*, **2013**, 64, 802-817		6
47	Modeling Ontology of Folksonomy with Latent Semantics of Tags **2010**,		6
46	Measuring scholarly impact in heterogeneous networks. *Proceedings of the American Society for Information Science and Technology*, **2010**, 47, 1-7		6
45	The Landscape of Causal Inference: Perspective From Citation Network Analysis. *American Statistician*, **2018**, 72, 265-277	5	6
44	Semantic word shifts in a scientific domain. *Scientometrics*, **2018**, 117, 211-226	3	5
43	Triple Space Computing Middleware for Semantic Web Services **2006**,		5
42	Semantic Web Portal: A Platform for Better Browsing and Visualizing Semantic Data. *Lecture Notes in Computer Science*, **2010**, 448-460	0.9	5
41	Semantic Breakthrough in Drug Discovery. *Synthesis Lectures on the Semantic Web: Theory and Technology*, **2014**, 4, 1-142	3.5	4
40	Topic Modeling: Measuring Scholarly Impact Using a Topical Lens **2014**, 235-257		4
39	Co-contributorship network and division of labor in individual scientific collaborations. *Journal of the Association for Information Science and Technology*, **2020**, 71, 1162-1178	2.7	4
38	Adopting Text Mining on Rehabilitation Therapy Repositioning for Stroke. *Frontiers in Neuroinformatics*, **2019**, 13, 17	3.9	3
37	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		3

36	Monitoring knowledge flow through scholarly networks. *Proceedings of the American Society for Information Science and Technology*, **2012**, 49, 1-5		3
35	Upper tag ontology for integrating social tagging data. *Journal of the Association for Information Science and Technology*, **2009**, 61, n/a-n/a		3
34	Multiple spreaders affect the indirect influence on twitter **2012**,		3
33	Contrastive Learning Improves Critical Event Prediction in COVID-19 Patients. *Patterns*, **2021**, 100389	5.1	3
32	Utilizing Web2.0 in Web Service Ranking **2009**,		2
31	There is more than complex contagion **2012**,		2
30	Integrating social tagging data: Upper Tag Ontology (UTO). *Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics*, **2008**,	2	2
29	Data Mediation Support for Triple Space Computing **2006**,		2
28	Semantic Search on Cross-Media Cultural Archives **2007**, 375-380		2
27	Exploring direct citations between citing publications. *Journal of Information Science*, **2020**, 016555152091765		2
26	Relational Learning Improves Prediction of Mortality in COVID-19 in the Intensive Care Unit. *IEEE Transactions on Big Data*, **2021**, 7, 38-44	3.2	2
25	Toward a Coronavirus Knowledge Graph. *Genes*, **2021**, 12,	4.2	2
24	From zero to one: A perspective on citing. *Journal of the Association for Information Science and Technology*, **2019**, 70, 1098-1107	2.7	2
23	Deep Learning with Heterogeneous Graph Embeddings for Mortality Prediction from Electronic Health Records. *Data Intelligence*, **2021**, 3, 329-339	3	2
22	Pandemics are catalysts of scientific novelty: Evidence from COVID-19.. *Journal of the Association for Information Science and Technology*, **2021**,	2.7	2
21	Interdisciplinary scholarly communication: an exploratory study for the field of joint attention. *Scientometrics*, **2019**, 119, 1597-1619	3	1
20	Muzk Mesh: Interlinking Semantic Music Data **2010**,		1
19	Dynamic Features of Social Tagging Vocabulary: Delicious, Flickr and YouTube **2010**,		1

18	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		1
17	Towards a Domain Oriented and Independent Semantic Search Model **2007**, 736-744		1
16	Using Machine Reading to Understand Alzheimer's and Related Diseases from the Literature. *Journal of Data and Information Science*, **2017**, 2, 81-94	1.2	1
15	Adopting Literature-based Discovery on Rehabilitation Therapy Repositioning for Stroke		1
14	Understanding Team Collaboration in Artificial Intelligence from the Perspective of Geographic Distance. *Lecture Notes in Computer Science*, **2021**, 14-23	0.9	1
13	Biomedical Knowledge Graph Refinement and Completion Using Graph Representation Learning and Top-K Similarity Measure. *Lecture Notes in Computer Science*, **2021**, 112-123	0.9	1
12	Knowledge graph analytics platform with LINCS and IDG for Parkinson's disease target illumination.. *BMC Bioinformatics*, **2022**, 23, 37	3.6	0
11	Contributorship in scientific collaborations: The perspective of contribution-based byline orders. *Information Processing and Management*, **2022**, 59, 102944	6.3	0
10	A Journal for Human and Machine. *Data Intelligence*, **2019**, 1, 1-5	3	
9	Who bridged the "Valley of Death" between basic research and clinical research? In the case of immune-checkpoints CTLA-4 and PD-1 based on inter-citation network. *Proceedings of the Association for Information Science and Technology*, **2017**, 54, 855-856	0.4	
8	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		
7	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		
6	Using Entity Metrics to Understand Drug Repurposing. *AMIA Summits on Translational Science Proceedings*, **2020**, 2020, 377-382	1.1	
5	Semantic Rules on Drug Discovery Data. *Lecture Notes in Computer Science*, **2009**, 362-364	0.9	
4	Understanding the Evolution of the Concept of Artificial Intelligence in Different Publication Venues. *Lecture Notes in Computer Science*, **2021**, 3-13	0.9	
3	Cross-Regional Analysis of the Aging Phenomenon of Biomedical Scholars. *Lecture Notes in Computer Science*, **2022**, 244-254	0.9	
2	Elapsed Collective Memory: Looking for the Forgotten Classic Works in Library and Information Science. *Lecture Notes in Computer Science*, **2022**, 61-68	0.9	
1	Reply to issues about entitymetrics and paper-entity citation network. *Scientometrics*, **2022**, 127, 2127-2129		