

# Bing Liu

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43  
papers

4,941  
citations

22  
h-index

53  
g-index

53  
ext. papers

6,018  
ext. citations

4.4  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
43	Mining and summarizing customer reviews <b>2004</b> ,		2527
42	Opinion Word Expansion and Target Extraction through Double Propagation. <i>Computational Linguistics</i> , <b>2011</b> , 37, 9-27	2.8	467
41	Web data extraction based on partial tree alignment <b>2005</b> ,		240
40	Pruning and summarizing the discovered associations <b>1999</b> ,		190
39	Mining data records in Web pages <b>2003</b> ,		137
38	Eliminating noisy information in Web pages for data mining <b>2003</b> ,		117
37	Lifelong Machine Learning. <i>Synthesis Lectures on Artificial Intelligence and Machine Learning</i> , <b>2016</b> , 10, 1-145	9.3	114
36	Analyzing the subjective interestingness of association rules. <i>IEEE Intelligent Systems</i> , <b>2000</b> , 15, 47-55		112
35	Structured Data Extraction from the Web Based on Partial Tree Alignment. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2006</b> , 18, 1614-1628	4.2	97
34	Analyzing and Detecting Review Spam <b>2007</b> ,		94
33	Finding interesting patterns using user expectations. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>1999</b> , 11, 817-832	4.2	73
32	Lifelong Machine Learning, Second Edition. <i>Synthesis Lectures on Artificial Intelligence and Machine Learning</i> , <b>2018</b> , 12, 1-207	9.3	72
31	Sentiment Analysis: Mining Opinions, Sentiments, and Emotions <b>2020</b> ,		48
30	Aspect and Entity Extraction for Opinion Mining. <i>Studies in Big Data</i> , <b>2014</b> , 1-40	0.9	46
29	Multi-level organization and summarization of the discovered rules <b>2000</b> ,		44
28	Mining topic-specific concepts and definitions on the web <b>2003</b> ,		36
27	Discovering unexpected information from your competitorsbweb sites <b>2001</b> ,		35

26	Automated rule selection for opinion target extraction. <i>Knowledge-Based Systems</i> , <b>2016</b> , 104, 74-88	7.3	35
25	. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2019</b> , 27, 1201-1212	3.6	25
24	An EM based training algorithm for cross-language text categorization		24
23	A Logic Programming Approach to Aspect Extraction in Opinion Mining <b>2013</b> ,		16
22	Many Facets of Sentiment Analysis. <i>A Practical Guide To Sentiment Analysis</i> , <b>2017</b> , 11-39	0	15
21	Time Sensitive Ranking with Application to Publication Search <b>2008</b> ,		15
20	Visualizing web site comparisons <b>2002</b> ,		11
19	A visual data mining framework for convenient identification of useful knowledge		8
18	Adding the temporal dimension to search - a case study in publication search		7
17	Guest EditorsIntroduction: Special Section on Intelligent Data Preparation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2005</b> , 17, 1163-1165	4.2	4
16	Structured Data Extraction: Wrapper Generation <b>2011</b> , 363-423		3
15	Finding Actionable Knowledge via Automated Comparison. <i>Proceedings - International Conference on Data Engineering</i> , <b>2009</b> ,	2	2
14	Mining Latent Associations of Objects Using a Typed Mixture Model--A Case Study on Expert/Expertise Mining. <i>IEEE International Conference on Data Mining</i> , <b>2006</b> ,		1
13	Sentiment Analysis in Social Media, Aspect Extraction for <b>2018</b> , 2399-2409		0
12	Sentiment Lexicon Generation <b>2020</b> , 227-242		0
11	The Problem of Sentiment Analysis <b>2020</b> , 18-54		
10	Document Sentiment Classification <b>2020</b> , 55-88		
9	Aspect Sentiment Classification <b>2020</b> , 115-167		

- 8 Analysis of Comparative Opinions **2020**, 243-258
- 7 Opinion Summarization and Search **2020**, 259-272
- 6 Analysis of Debates and Comments **2020**, 273-293
- 5 Mining Intent **2020**, 294-303
- 4 Quality of Reviews **2020**, 354-359
- 3 Sentence Subjectivity and Sentiment Classification **2020**, 89-114
- 2 Detecting Fake or Deceptive Opinions **2020**, 304-353
- 1 Aspect and Entity Extraction **2020**, 168-226