Weiguo Fan

List of Publications by Year
in descending order

146 papers	7,872 citations	66315 42 h-index	62565 80 g-index
150 all docs	150 docs citations	150 times ranked	6038 citing authors

#	Article	IF	Citations
1	Social presence, trust, and social commerce purchase intention: An empirical research. Computers in Human Behavior, 2016, 56, 225-237.	5.1	627
2	A comparative analysis of major online review platforms: Implications for social media analytics in hospitality and tourism. Tourism Management, 2017, 58, 51-65.	5.8	597
3	The power of social media analytics. Communications of the ACM, 2014, 57, 74-81.	3.3	420
4	A new image classification method using CNN transfer learning and web data augmentation. Expert Systems With Applications, 2018, 95, 43-56.	4.4	349
5	Understanding the determinants of online review helpfulness: A meta-analytic investigation. Decision Support Systems, 2017, 102, 1-11.	3.5	300
6	Tapping the power of text mining. Communications of the ACM, 2006, 49, 76-82.	3.3	277
7	Determinants of users' continuance of social networking sites: A self-regulation perspective. Information and Management, 2014, 51, 595-603.	3.6	268
8	Vehicle defect discovery from social media. Decision Support Systems, 2012, 54, 87-97.	3.5	195
9	Effects of user-provided photos on hotel review helpfulness: An analytical approach with deep leaning. International Journal of Hospitality Management, 2018, 71, 120-131.	5.3	177
10	An Integrated Text Analytic Framework for Product Defect Discovery. Production and Operations Management, 2015, 24, 975-990.	2.1	170
11	ExpertRank: A topic-aware expert finding algorithm for online knowledge communities. Decision Support Systems, 2013, 54, 1442-1451.	3.5	162
12	Linking land use change, ecosystem services and human well-being: A case study of the Manas River Basin of Xinjiang, China. Ecosystem Services, 2017, 27, 113-123.	2.3	148
13	Air pollution terrain nexus: A review considering energy generation and consumption. Renewable and Sustainable Energy Reviews, 2019, 105, 71-85.	8.2	146
14	A genetic programming framework for content-based image retrieval. Pattern Recognition, 2009, 42, 283-292.	5.1	145
15	Learning to advertise. , 2006, , .		123
16	Project description and crowdfunding success: an exploratory study. Information Systems Frontiers, 2018, 20, 259-274.	4.1	109
17	Measuring Customer Agility from Online Reviews Using Big Data Text Analytics. Journal of Management Information Systems, 2018, 35, 510-539.	2.1	109
18	Competitive Actions and Dynamics in the Digital Age: An Empirical Investigation of Social Networking Firms. Information Systems Research, 2010, 21, 594-613.	2.2	104

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19	What's buzzing in the blizzard of buzz? Automotive component isolation in social media postings. Decision Support Systems, 2013, 55, 871-882.	3.5	97
20	The effects of fitness functions on genetic programming-based ranking discovery for Web search. Journal of the Association for Information Science and Technology, 2004, 55, 628-636.	2.6	84
21	Social Media Adoption and Corporate Disclosure. Journal of Information Systems, 2015, 29, 23-50.	0.5	81
22	A generic ranking function discovery framework by genetic programming for information retrieval. Information Processing and Management, 2004, 40, 587-602.	5.4	78
23	Effective profiling of consumer information retrieval needs: a unified framework and empirical comparison. Decision Support Systems, 2005, 40, 213-233.	3.5	76
24	OCFS. , 2005, , .		76
25	Adverse drug event detection and extraction from open data: A deep learning approach. Information Processing and Management, 2020, 57, 102131.	5.4	76
26	Examining macro-sources of institution-based trust in social commerce marketplaces: An empirical study. Electronic Commerce Research and Applications, 2016, 20, 116-131.	2.5	74
27	ECM1 is an essential factor for the determination of M1 macrophage polarization in IBD in response to LPS stimulation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3083-3092.	3.3	70
28	Relevance feedback based on genetic programming for image retrieval. Pattern Recognition Letters, 2011, 32, 27-37.	2.6	65
29	ECM1 Prevents Activation of Transforming Growth Factor Î², Hepatic Stellate Cells, and Fibrogenesis in Mice. Gastroenterology, 2019, 157, 1352-1367.e13.	0.6	65
30	Discovery of context-specific ranking functions for effective information retrieval using genetic programming. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 523-527.	4.0	64
31	Discovering and reconciling value conflicts for numerical data integration. Information Systems, 2001, 26, 635-656.	2.4	62
32	User idea implementation in open innovation communities: Evidence from a new product development crowdsourcing community. Information Systems Journal, 2020, 30, 899-927.	4.1	62
33	Genetic Programming-Based Discovery of Ranking Functions for Effective Web Search. Journal of Management Information Systems, 2005, 21, 37-56.	2.1	61
34	Evaluation and simulation of the impact of land use change on ecosystem services based on a carbon flow model: A case study of the Manas River Basin of Xinjiang, China. Science of the Total Environment, 2019, 652, 117-133.	3.9	60
35	Effective information retrieval using genetic algorithms based matching functions adaptation. , 0, , .		59
36	The persuasion of borrowersâ€™ voluntary information in peer to peer lending: An empirical study based on elaboration likelihood model. Computers in Human Behavior, 2018, 78, 200-214.	5.1	59

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37	Finding Useful Solutions in Online Knowledge Communities: A Theory-Driven Design and Multilevel Analysis. Information Systems Research, 2020, 31, 731-752.	2.2	59
38	The impact of users' sense of belonging on social media habit formation: Empirical evidence from social networking and microblogging websites in China. International Journal of Information Management, 2018, 43, 209-223.	10.5	57
39	Review of Medical Decision Support and Machine-Learning Methods. Veterinary Pathology, 2019, 56, 512-525.	0.8	56
40	Mining product innovation ideas from online reviews. Information Processing and Management, 2021, 58, 102389.	5.4	56
41	Mining the web for answers to natural language questions. , 2001, , .		54
42	Energy modeling simulation of changes in ecosystem services before and after the implementation of a Grain-for-Green program on the Loess Plateau—A case study of the Zhifanggou valley in Ansai County, Shaanxi Province, China. Ecosystem Services, 2018, 31, 32-43.	2.3	54
43	Combining Geographical and Social Influences with Deep Learning for Personalized Point-of-Interest Recommendation. Journal of Management Information Systems, 2018, 35, 1121-1153.	2.1	52
44	Information management strategies and supply chain performance under demand disruptions. International Journal of Production Research, 2016, 54, 8-27.	4.9	51
45	Antecedents of ERP assimilation and its impact on ERP value: A TOE-based model and empirical test. Information Systems Frontiers, 2017, 19, 13-30.	4.1	50
46	C-index: A weighted network node centrality measure for collaboration competence. Journal of Informetrics, 2013, 7, 223-239.	1.4	46
47	Extracellular matrix protein 1 promotes follicular helper T cell differentiation and antibody production. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8621-8626.	3.3	46
48	How to strengthen the social media interactivity of e-government. Online Information Review, 2016, 40, 79-96.	2.2	43
49	Ecosystem Services and Ecological Restoration in the Northern Shaanxi Loess Plateau, China, in Relation to Climate Fluctuation and Investments in Natural Capital. Sustainability, 2017, 9, 199.	1.6	41
50	IMMC. , 2004, , .		40
51	Role of user-generated photos in online hotel reviews: An analytical approach. Journal of Hospitality and Tourism Management, 2020, 45, 633-640.	3.5	40
52	Literature-based discovery on the World Wide Web. ACM Transactions on Internet Technology, 2002, 2, 261-275.	3.0	39
53	Examining continuance use on social network and micro-blogging sites: Different roles of self-image and peer influence. International Journal of Information Management, 2019, 47, 215-232.	10.5	39
54	Is it true that the longer the extended industrial chain, the better the circular agriculture? A case study of circular agriculture industry company in Fuqing, Fujian. Journal of Cleaner Production, 2018, 189, 718-728.	4.6	38

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55	Trace-Oriented Feature Analysis for Large-Scale Text Data Dimension Reduction. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 1103-1117.	4.0	36
56	Mining web navigations for intelligence. Decision Support Systems, 2006, 41, 574-591.	3.5	35
57	Assessing reliability of social media data: lessons from mining TripAdvisor hotel reviews. Information Technology and Tourism, 2018, 18, 43-59.	3.4	35
58	Relationships between ecosystem services and human well-being changes based on carbon flowâ€"A case study of the Manas River Basin, Xinjiang, China. Ecosystem Services, 2019, 37, 100934.	2.3	34
59	Zero-Shot Sketch-Based Image Retrieval via Graph Convolution Network. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 12943-12950.	3.6	34
60	How learning effects influence knowledge contribution in online Q&A community? A social cognitive perspective. Decision Support Systems, 2021, 149, 113610.	3.5	31
61	Exploring digital libraries. , 2006, , .		30
62	Probabilistic question answering on the Web. Journal of the Association for Information Science and Technology, 2005, 56, 571-583.	2.6	27
63	Harnessing global expertise: A comparative study of expertise profiling methods for online communities. Information Systems Frontiers, 2014, 16, 715-727.	4.1	27
64	Can â€œGold Medalâ€•Online Sellers Earn Gold? The Impact of Reputation Badges on Sales. Journal of Management Information Systems, 2020, 37, 1099-1127.	2.1	27
65	Life Cycle Environmental Impact Assessment of Circular Agriculture: A Case Study in Fuqing, China. Sustainability, 2018, 10, 1810.	1.6	26
66	Deep cascaded cross-modal correlation learning for fine-grained sketch-based image retrieval. Pattern Recognition, 2020, 100, 107148.	5.1	25
67	Transforming growth factor Î² latency: A mechanism of cytokine storage and signalling regulation in liver homeostasis and disease. JHEP Reports, 2022, 4, 100397.	2.6	25
68	Getting answers to natural language questions on the Web. Journal of the Association for Information Science and Technology, 2002, 53, 359-364.	2.6	24
69	Social Representations of Social Media Use in Government. Social Science Computer Review, 2016, 34, 416-436.	2.6	24
70	Effects of membership tier on user content generation behaviors: evidence from online reviews. Electronic Commerce Research, 2018, 18, 457-483.	3.0	24
71	DIRECT: a system for mining data value conversion rules from disparate data sources. Decision Support Systems, 2002, 34, 19-39.	3.5	22
72	Towards a syllabus repository for computer science courses. , 2007, , .		22

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73	A review of medical terminology standards and structured reporting. Journal of Veterinary Diagnostic Investigation, 2018, 30, 17-25.	0.5	22
74	An integrated two-stage model for intelligent information routing. Decision Support Systems, 2006, 42, 362-374.	3.5	21
75	Genetic-based approaches in ranking function discovery and optimization in information retrieval â€" A framework. Decision Support Systems, 2009, 47, 398-407.	3.5	21
76	Examining the influential factors for continued social media use. Industrial Management and Data Systems, 2019, 119, 1104-1127.	2.2	21
77	User adoption of physician's replies in an online health community: An empirical study. Journal of the Association for Information Science and Technology, 2020, 71, 1179-1191.	1.5	21
78	Balanced single-shot object detection using cross-context attention-guided network. Pattern Recognition, 2022, 122, 108258.	5.1	21
79	IFN-λ4 desensitizes the response to IFN-α treatment in chronic hepatitis C through long-term induction of USP18. Journal of General Virology, 2016, 97, 2210-2220.	1.3	21
80	Nonlinear ranking function representations in genetic programming-based ranking discovery for personalized search. Decision Support Systems, 2006, 42, 1338-1349.	3.5	20
81	Crowd characteristics and crowd wisdom: Evidence from an online investment community. Journal of the Association for Information Science and Technology, 2020, 71, 423-435.	1.5	20
82	On linear mixture of expert approaches to information retrieval. Decision Support Systems, 2006, 42, 975-987.	3.5	19
83	Integration of complex archeology digital libraries: An ETANA-DL experience. Information Systems, 2008, 33, 699-723.	2.4	19
84	The Effects of Social and Technical Factors on User Satisfaction, Sense of Belonging and Knowledge Community Usage. International Journal of E-Collaboration, 2013, 9, 13-30.	0.4	19
85	Exploring the computing literature with visualization and stepping stones & pathways. Communications of the ACM, 2006, 49, 52-58.	3.3	18
86	Credit risk transfer in SME loan guarantee networks. Journal of Systems Science and Complexity, 2017, 30, 1084-1096.	1.6	18
87	Sketch-based image retrieval with deep visual semantic descriptor. Pattern Recognition, 2018, 76, 537-548.	5.1	18
88	Moderating effects of rating on text and helpfulness in online hotel reviews: an analytical approach. Journal of Hospitality Marketing and Management, 2021, 30, 159-177.	5.1	18
89	A Domain Oriented LDA Model for Mining Product Defects from Online Customer Reviews. , 2017, , .		18
90	Combining structural and citation-based evidence for text classification. , 2004, , .		17

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91	Evaluation of supervised machine-learning algorithms to distinguish between inflammatory bowel disease and alimentary lymphoma in cats. Journal of Veterinary Diagnostic Investigation, 2016, 28, 679-687.	0.5	17
92	An empirical study on the impact of online word-of-mouth sources on retail sales. Information Discovery and Delivery, 2017, 45, 30-35.	1.6	17
93	TransRank: A Novel Algorithm for Transfer of Rank Learning. , 2008, , .		16
94	An Analytical Framework for Understanding Knowledge-Sharing Processes in Online Q&A Communities. ACM Transactions on Management Information Systems, 2015, 5, 1-31.	2.1	16
95	By the numbers: The magic of numerical intelligence in text analytic systems. Decision Support Systems, 2018, 113, 86-98.	3.5	16
96	Stacked Multimodal Attention Network for Context-Aware Video Captioning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 31-42.	5.6	16
97	AE-Net: Fine-grained sketch-based image retrieval via attention-enhanced network. Pattern Recognition, 2022, 122, 108291.	5.1	15
98	R&D reporting methods and firm value: evidence from China. Chinese Management Studies, 2014, 8, 375-396.	0.7	14
99	Predicting Vehicle Recalls with User-Generated Contents: A Text Mining Approach. Lecture Notes in Computer Science, 2015, , 41-50.	1.0	14
100	Effects of R&D policy choice on accounting performance and market value. R and D Management, 2017, 47, 545-556.	3.0	14
101	Fully Convolutional Video Captioning with Coarse-to-Fine and Inherited Attention. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8271-8278.	3.6	14
102	Prototyping Digital Libraries Handling Heterogeneous Data Sources â€" The ETANA-DL Case Study. Lecture Notes in Computer Science, 2004, , 186-197.	1.0	14
103	Collective taxonomizing: A collaborative approach to organizing document repositories. Decision Support Systems, 2010, 50, 292-303.	3.5	13
104	Evolutionary analysis of collaboration networks in the field of information systems. Scientometrics, 2014, 101, 1657-1677.	1.6	13
105	Examining micro-level knowledge sharing discussions in online communities. Information Systems Frontiers, 2015, 17, 1227-1238.	4.1	12
106	A Qualitative Study of Web-Based Knowledge Communities. International Journal of E-Collaboration, 2009, 5, 39-57.	0.4	12
107	Tuning before feedback. , 2004, , .		11
108	Analysis of the functional orientation of agricultural systems from the perspective of resource circulation. Journal of Cleaner Production, 2020, 258, 120642.	4.6	11

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109	Which social media posts generate the most buzz? Evidence from WeChat. Internet Research, 2022, 32, 273-291.	2.7	11
110	Adaptive Web Search: Evolving a Program That Finds Information. IEEE Intelligent Systems, 2006, 21, 72-77.	4.0	10
111	Discovering Product Defects and Solutions from Online User Generated Contents. , 2019, , .		10
112	Junctional and somatic hypermutation-induced CX4C motif is critical for the recognition of a highly conserved epitope on HCV E2 by a human broadly neutralizing antibody. Cellular and Molecular Immunology, 2021, 18, 675-685.	4.8	10
113	ETANA-DL. , 2004, , .		9
114	Ranking function optimization for effective Web search by genetic programming: an empirical study. , 2004, , .		9
115	Identifying free-text features to improve automated classification of structured histopathology reports for feline small intestinal disease. Journal of Veterinary Diagnostic Investigation, 2018, 30, 211-217.	0.5	9
116	Modeling relationships between retail prices and consumer reviews: A machine discovery approach and comprehensive evaluations. Decision Support Systems, 2021, 145, 113536.	3.5	9
117	The more, the better? The effect of feedback and user's past successes on idea implementation in open innovation communities. Journal of the Association for Information Science and Technology, 0, , .	1.5	9
118	A relevance feedback approach for the author name disambiguation problem. , 2013, , .		8
119	Empirical Research on the Process of Land Resource-Asset-Capitalization—A Case Study of Yanba, Jiangjin District, Chongqing. Sustainability, 2020, 12, 1236.	1.6	8
120	Deep Cross-Modal Face Naming for People News Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1891-1905.	4.0	8
121	The Impact of Customer Reviews on Product Innovation: Empirical Evidence in Mobile Apps. Annals of Information Systems, 2018, , 95-110.	0.5	7
122	Customer Churn Prediction with Feature Embedded Convolutional Neural Network: An Empirical Study in the Internet Funds Industry. International Journal of Computational Intelligence and Applications, 2019, 18, .	0.6	7
123	Predicting crowdfunding project success based on backers' language preferences. Journal of the Association for Information Science and Technology, 2021, 72, 1558-1574.	1.5	7
124	Using Automatic Metadata Extraction to Build a Structured Syllabus Repository. , 2007, , 337-346.		6
125	Towards a syllabus repository for computer science courses. SIGCSE Bulletin, 2007, 39, 55-59.	0.1	5
126	An online blog reading system by topic clustering and personalized ranking. ACM Transactions on Internet Technology, 2009, 9, 1-26.	3.0	5

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127	Subdivided or aggregated online review systems: Which is better for online takeaway vendors?. Electronic Commerce Research, 2020, 20, 915-944.	3.0	5
128	Incremental, Semi-automatic, Mapping-Based Integration of Heterogeneous Collections into Archaeological Digital Libraries: Megiddo Case Study. Lecture Notes in Computer Science, 2005, , 139-150.	1.0	5
129	Automatic syllabus classification. , 2007, , .		4
130	Video Captioning With Temporal And Region Graph Convolution Network. , 2020, , .		4
131	Scalable Attestation Protocol Resilient to Physical Attacks for IoT Environments. IEEE Systems Journal, 2021, 15, 4566-4577.	2.9	3
132	A Genetic Programming Approach for Combining Structural and Citation-Based Evidence for Text Classification in Web Digital Libraries. , 2006, , 65-83.		3
133	Improved fuzzy c-means algorithm and its application to classification of remote sensing image in Chengdu city, China. , 2016, , .		2
134	Identifying domain relevant user generated content through noise reduction: a test in a Chinese stock discussion forum. Information Discovery and Delivery, 2017, 45, 181-193.	1.6	2
135	Integrating Environmental Impact and Ecosystem Services in the Process of Land Resource Capitalizationâ€"A Case Study of Land Transfer in Fuping, Hebei. Sustainability, 2021, 13, 2837.	1.6	2
136	TOFA: Trace Oriented Feature Analysis in Text Categorization. , 2008, , .		1
137	The influence of social Q&A systems on consumers' purchase intention: an empirical study based on Taobao's â€œAsk Everyoneâ€. Information Technology and People, 2022, ahead-of-print, .	1.9	1
138	Dynamic sparse portfolio rebalancing model: A perspective of investorsâ€™ behavior-related decisions. Knowledge-Based Systems, 2022, 251, 109224.	4.0	1
139	Learning Ranking vs. Modeling Relevance. , 2006, , .		0
140	Work in Progress: Personalizing a Course Website Using the NSDL. , 2006, , .		0
141	Assessing Reliability of Social Media Data: Lessons from Mining TripAdvisor Hotel Reviews. , 2017, , 625-638.		0
142	A surrogate-based generic classifier for Chinese TV series reviews. Information Discovery and Delivery, 2017, 45, 66-74.	1.6	0
143	Alliance choices: A Behavioral Theory of Problemistic and Slack Searches under CEO Overconfidence. Proceedings - Academy of Management, 2021, 2021, 14763.	0.0	0
144	DIRECT: A System for Mining Data Value Conversion Rules from Disparate Data Sources. SSRN Electronic Journal, 0, , .	0.4	0

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145	EtanaCMV: A Visual Browsing Interface for ETANA-DL Based on Coordinated Multiple Views. Lecture Notes in Computer Science, 2006, , 492-494.	1.0	0
146	Automatic Genre-Specific Text Classification. , 2009, , 120-127.		0