

Aixin Sun

List of Publications by Year in descending order

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Version: 2024-02-01

191
papers

8,155
citations

236612

25
h-index

149479

56
g-index

197
all docs

197
docs citations

197
times ranked

5176
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning Based Recommender System. ACM Computing Surveys, 2020, 52, 1-38.	16.1	811
2	A Survey on Deep Learning for Named Entity Recognition. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 50-70.	4.0	542
3	Time-aware point-of-interest recommendation. , 2013, , .		527
4	Exploiting Geographical Neighborhood Characteristics for Location Recommendation. , 2014, , .		234
5	Twevent. , 2012, , .		227
6	On strategies for imbalanced text classification using SVM: A comparative study. Decision Support Systems, 2009, 48, 191-201.	3.5	202
7	Topic Modeling for Short Texts with Auxiliary Word Embeddings. , 2016, , .		188
8	Imbalanced text classification: A term weighting approach. Expert Systems With Applications, 2009, 36, 690-701.	4.4	182
9	Who, where, when and what. , 2013, , .		179
10	On predicting the popularity of newly emerging hashtags in <scp>T</scp>witter. Journal of the Association for Information Science and Technology, 2013, 64, 1399-1410.	2.6	179
11	Graph-based Point-of-interest Recommendation with Geographical and Temporal Influences. , 2014, , .		170
12	Measuring article quality in wikipedia. , 2007, , .		165
13	A Survey of Location Prediction on Twitter. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1652-1671.	4.0	161
14	TwINER. , 2012, , .		157
15	Web classification using support vector machine. , 2002, , .		153
16	Sentiment Analysis by Capsules. , 2018, , .		138
17	Predicting trusts among users of online communities. , 2008, , .		133
18	Enhancing Topic Modeling for Short Texts with Auxiliary Word Embeddings. ACM Transactions on Information Systems, 2018, 36, 1-30.	3.8	109

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19	Span-based Localizing Network for Natural Language Video Localization. , 2020, , .		104
20	Your neighbors affect your ratings. , 2014, , .		99
21	Comments-oriented document summarization. , 2008, , .		96
22	Semi-Supervised Spam Detection in Twitter Stream. IEEE Transactions on Computational Social Systems, 2018, 5, 169-175.	3.2	96
23	CATN. , 2020, , .		95
24	Hierarchical text classification and evaluation. , 0, , .		90
25	Quality-aware collaborative question answering. , 2009, , .		86
26	Topic-driven reader comments summarization. , 2012, , .		79
27	Comments-oriented blog summarization by sentence extraction. , 2007, , .		73
28	Fine-grained location extraction from tweets with temporal awareness. , 2014, , .		72
29	Who, Where, When, and What. ACM Transactions on Information Systems, 2015, 33, 1-33.	3.8	69
30	Short text classification using very few words. , 2012, , .		68
31	Tweet Segmentation and Its Application to Named Entity Recognition. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 558-570.	4.0	68
32	Conformity-aware influence maximization in online social networks. VLDB Journal, 2015, 24, 117-141.	2.7	66
33	On ranking controversies in wikipedia. , 2008, , .		63
34	Will this #hashtag be popular tomorrow?. , 2012, , .		59
35	HSpam14. , 2015, , .		58
36	Hashtag recommendation for hyperlinked tweets. , 2014, , .		57

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37	Performance measurement framework for hierarchical text classification. Journal of the Association for Information Science and Technology, 2003, 54, 1014-1028.	2.6	56
38	SegBot: A Generic Neural Text Segmentation Model with Pointer Network. , 2018, , .		52
39	On assigning place names to geography related web pages. , 2005, , .		51
40	Tag-based social image retrieval: An empirical evaluation. Journal of the Association for Information Science and Technology, 2011, 62, 2364-2381.	2.6	50
41	An energy-efficient and access latency optimized indexing scheme for wireless data broadcast. IEEE Transactions on Knowledge and Data Engineering, 2006, 18, 1111-1124.	4.0	48
42	NeuPL. , 2017, , .		48
43	Aspect-level Sentiment Analysis using AS-Capsules. , 2019, , .		46
44	To Trust or Not to Trust? Predicting Online Trusts Using Trust Antecedent Framework. , 2009, , .		44
45	NEXT: a neural network framework for next POI recommendation. Frontiers of Computer Science, 2020, 14, 314-333.	1.6	44
46	Blocking reduction strategies in hierarchical text classification. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 1305-1308.	4.0	43
47	Trust relationship prediction using online product review data. , 2009, , .		43
48	Effective Document Labeling with Very Few Seed Words. , 2016, , .		42
49	Efficient algorithms for adaptive influence maximization. Proceedings of the VLDB Endowment, 2018, 11, 1029-1040.	2.1	42
50	Learning Travel Time Distributions with Deep Generative Model. , 2019, , .		40
51	Community Detection on Large Complex Attribute Network. , 2019, , .		39
52	Time Expression Analysis and Recognition Using Syntactic Token Types and General Heuristic Rules. , 2017, , .		36
53	Image tag clarity. , 2009, , .		35
54	Tagging Your Tweets. , 2014, , .		35

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55	CASINO. , 2011, , .		34
56	Measuring Qualities of Articles Contributed by Online Communities. , 2006, , .		33
57	NeuRec: On Nonlinear Transformation for Personalized Ranking. , 2018, , .		33
58	Pre-training Graph Transformer with Multimodal Side Information for Recommendation. , 2021, , .		33
59	Lessons from learner experiences in a field-based inquiry in geography using mobile devices. International Research in Geographical and Environmental Education, 2012, 21, 41-58.	0.8	32
60	An evaluation of classification models for question topic categorization. Journal of the Association for Information Science and Technology, 2012, 63, 889-903.	2.6	31
61	Joint Recognition and Linking of Fine-Grained Locations from Tweets. , 2016, , .		31
62	Learning-Based Outdoor Localization Exploiting Crowd-Labeled WiFi Hotspots. IEEE Transactions on Mobile Computing, 2019, 18, 896-909.	3.9	31
63	Quantifying tag representativeness of visual content of social images. , 2010, , .		29
64	Video Corpus Moment Retrieval with Contrastive Learning. , 2021, , .		29
65	Exploring prestigious citations sourced from top universities in bibliometrics and altmetrics: a case study in the computer science discipline. Scientometrics, 2018, 114, 1-17.	1.6	28
66	ChID: A Large-scale Chinese IDiom Dataset for Cloze Test. , 2019, , .		28
67	Pair-Linking for Collective Entity Disambiguation: Two Could Be Better Than All. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1383-1396.	4.0	27
68	Efficient approximation algorithms for adaptive influence maximization. VLDB Journal, 2020, 29, 1385-1406.	2.7	27
69	Robust Representation Learning of Biomedical Names. , 2019, , .		27
70	Web data extraction based on structural similarity. Knowledge and Information Systems, 2005, 8, 438-461.	2.1	26
71	Mobile G-Portal supporting collaborative sharing and learning in geography fieldwork. , 2007, , .		26
72	Discovering Neighborhood Pattern Queries by sample answers in knowledge base. , 2016, , .		26

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73	A time-aware trajectory embedding model for next-location recommendation. Knowledge and Information Systems, 2018, 56, 559-579.	2.1	26
74	AUC-MF: Point of Interest Recommendation with AUC Maximization. , 2019, , .		25
75	Point-of-Interest Recommendation With Global and Local Context. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 5484-5495.	4.0	25
76	Social image tag recommendation by concept matching. , 2011, , .		24
77	Seed-Guided Topic Model for Document Filtering and Classification. ACM Transactions on Information Systems, 2019, 37, 1-37.	3.8	24
78	Efficient Approximation Algorithms for Adaptive Seed Minimization. , 2019, , .		22
79	Query-Guided Event Detection From News and Blog Streams. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 834-839.	3.4	21
80	Learning to answer programming questions with software documentation through social context embedding. Information Sciences, 2018, 448-449, 36-52.	4.0	21
81	Web unit mining. , 2003, , .		20
82	Seed-driven Document Ranking for Systematic Reviews in Evidence-Based Medicine. , 2018, , .		20
83	Do You Trust to Get Trust? A Study of Trust Reciprocity Behaviors and Reciprocal Trust Prediction. , 2010, , .		20
84	A Re-visit of the Popularity Baseline in Recommender Systems. , 2020, , .		19
85	Extracting fine-grained location with temporal awareness in tweets: A two-stage approach. Journal of the Association for Information Science and Technology, 2017, 68, 1652-1670.	1.5	18
86	Blog Classification Using Tags: An Empirical Study. , 2007, , 307-316.		18
87	Neural Named Entity Boundary Detection. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1790-1795.	4.0	17
88	Searching blogs and news. , 2008, , .		16
89	Detecting spam blogs from blog search results. Information Processing and Management, 2011, 47, 246-262.	5.4	16
90	Why not, WINE?. , 2013, , .		16

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91	A Generalized Method for Word Sense Disambiguation Based on Wikipedia. Lecture Notes in Computer Science, 2011, , 653-664.	1.0	16
92	Annotating Points of Interest with Geo-tagged Tweets. , 2016, , .		15
93	Searching for the internet of things: where it is and what it looks like. Personal and Ubiquitous Computing, 2017, 21, 1097-1112.	1.9	15
94	Crest: Cluster-based Representation Enrichment for Short Text Classification. Lecture Notes in Computer Science, 2013, , 256-267.	1.0	15
95	Exploiting hybrid contexts for Tweet segmentation. , 2013, , .		14
96	PRISM. , 2014, , .		14
97	Linking Fine-Grained Locations in User Comments. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 59-72.	4.0	14
98	Blog cascade affinity. , 2009, , .		13
99	Affinity-driven prediction and ranking of products in online product review sites. , 2010, , .		13
100	MESSIAH. , 2013, , .		13
101	An analysis of 14 Million tweets on hashtag-oriented spamming*. Journal of the Association for Information Science and Technology, 2017, 68, 1638-1651.	1.5	13
102	Efficient Approximation Algorithms for Adaptive Target Profit Maximization. , 2020, , .		13
103	Using Support Vector Machines for Terrorism Information Extraction. Lecture Notes in Computer Science, 2003, , 1-12.	1.0	13
104	DeepRec: An Open-source Toolkit for Deep Learning based Recommendation. , 2019, , .		13
105	Exploring Hierarchically Organized Georeferenced Multimedia Annotations in the MobiTOP System. , 2009, , .		12
106	Do Wikipedians follow domain experts?. , 2010, , .		12
107	<scp>TSDW</scp>: Two-stage word sense disambiguation using Wikipedia. Journal of the Association for Information Science and Technology, 2013, 64, 1203-1223.	2.6	12
108	Semi-Supervised Event-related Tweet Identification with Dynamic Keyword Generation. , 2017, , .		12

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109	Collecting event-related tweets from twitter stream. Journal of the Association for Information Science and Technology, 2019, 70, 176-186.	1.5	12
110	Event detection with common user interests. , 2008, , .		11
111	Mining latent relations in peer-production environments: a case study with Wikipedia article similarity and controversy. Social Network Analysis and Mining, 2012, 2, 265-278.	1.9	11
112	Mobile phone name extraction from internet forums: a semi-supervised approach. World Wide Web, 2016, 19, 783-805.	2.7	11
113	On improving wikipedia search using article quality. , 2007, , .		10
114	Online spam-blog detection through blog search. , 2008, , .		10
115	Web classification of conceptual entities using co-training. Expert Systems With Applications, 2011, 38, 14367-14375.	4.4	10
116	Content is still king. , 2012, , .		10
117	Correction to "A Survey of Location Prediction on Twitter". IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 2227-2227.	4.0	10
118	Sharing Mobile Multimedia Annotations to Support Inquiry-Based Learning Using MobiTOP. Lecture Notes in Computer Science, 2009, , 171-182.	1.0	10
119	AffRank: Affinity-driven ranking of products in online social rating networks. Journal of the Association for Information Science and Technology, 2011, 62, 1345-1359.	2.6	9
120	API Caveat Explorer -- Surfacing Negative Usages from Practice. , 2018, , .		9
121	TagNSearch: Searching and Navigating Geo-referenced Collections of Photographs. Lecture Notes in Computer Science, 2008, , 62-73.	1.0	9
122	Subtopic-driven Multi-Document Summarization. , 2019, , .		9
123	Category hierarchy maintenance. , 2012, , .		8
124	Joint Implicit and Explicit Neural Networks for Question Recommendation in CQA Services. IEEE Access, 2018, 6, 73081-73092.	2.6	8
125	Hierarchical Text Classification Methods and Their Specification. , 2003, , 236-256.		8
126	On profiling blogs with representative entries. , 2008, , .		7

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127	Predicting event-relatedness of popular queries. , 2013, , .		7
128	Social Navigation in Digital Libraries by Bookmarking. , 2007, , 297-306.		7
129	An Embarrassingly Simple Model for Dialogue Relation Extraction. , 2022, , .		7
130	Cross-Device User Linking. , 2017, , .		6
131	Towards Effective Extraction and Linking of Software Mentions from User-Generated Support Tickets. , 2018, , .		6
132	LinkLive: discovering Web learning resources for developers from Q&A discussions. World Wide Web, 2019, 22, 1699-1725.	2.7	6
133	Sharing Hierarchical Mobile Multimedia Content Using the MobiTOP System. , 2009, , .		5
134	Effect of Spam on Hashtag Recommendation for Tweets. , 2016, , .		5
135	Quantifying Visual-Representativeness of Social Image Tags Using Image Tag Clarity. , 2011, , 3-23.		5
136	Semantic tag recommendation using concept model. , 2011, , .		4
137	CASIS. , 2012, , .		4
138	Towards context-aware search with right click. , 2014, , .		4
139	Affinity-driven blog cascade analysis and prediction. Data Mining and Knowledge Discovery, 2014, 28, 442-474.	2.4	4
140	To Do or Not To Do: Distill crowdsourced negative caveats to augment api documentation. Journal of the Association for Information Science and Technology, 2018, 69, 1460-1475.	1.5	4
141	A Study on Agreement in PICO Span Annotations. , 2019, , .		4
142	PRICE WATCHER AGENT FOR E-COMMERCE. , 2001, , .		4
143	Supporting Field Study with Personalized Project Spaces in a Geographical Digital Library. Lecture Notes in Computer Science, 2004, , 553-562.	1.0	4
144	Anomaly Detection on Dynamic Bipartite Graph with Burstiness. , 2020, , .		4

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145	Discovery of concept entities from web sites using web unit mining. International Journal of Web Information Systems, 2005, 1, 123-136.	1.3	3
146	Managing Media Rich Geo-spatial Annotations for a Map-Based Mobile Application Using Clustering. , 2010, , .		3
147	Summarizing social image search results. , 2014, , .		3
148	Mean Average Distance to Resolver: An Evaluation Metric for Ticket Routing in Expert Network. , 2017, , .		3
149	CoNEREL. , 2018, , .		3
150	Collective Named Entity Recognition in User Comments via Parameterized Label Propagation. Journal of the Association for Information Science and Technology, 2020, 71, 568-577.	1.5	3
151	DeepRouting: A Deep Neural Network Approach for Ticket Routing in Expert Network. , 2020, , .		3
152	Spectral Kernels for Classification. Lecture Notes in Computer Science, 2005, , 520-529.	1.0	3
153	Personalized Classification for Keyword-Based Category Profiles. Lecture Notes in Computer Science, 2002, , 61-74.	1.0	3
154	Editorial: Real-time Dynamic Network Learning for Location Inference Modelling and Computing. Neurocomputing, 2021, 472, 198-198.	3.5	3
155	SSnetViz. , 2009, , .		2
156	What makes categories difficult to classify?. , 2009, , .		2
157	Visualizing and querying semantic social networks. , 2011, , .		2
158	Why not, WINE?. , 2014, , .		2
159	Exploring prestigious citations sourced from top universities across disciplines. Proceedings of the Association for Information Science and Technology, 2017, 54, 251-259.	0.3	2
160	Will Your Paper Get Promoted by a Citation? A Case Study of Citation Promoter in Computer Science Discipline. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 238-245.	3.2	2
161	Tweet-aware News Summarization with Dual-Attention Mechanism. , 2021, , .		2
162	i Wed: An Integrated Multigraph Cut-Based Approach for Detecting Events from a Website. Lecture Notes in Computer Science, 2006, , 351-360.	1.0	2

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163	Key Element-Context Model: An Approach to Efficient Web Metadata Maintenance. Lecture Notes in Computer Science, 2007, , 63-74.	1.0	2
164	Deep neural networks meet recommender systems. , 2019, , 9-33.		2
165	PRISM. Proceedings of the VLDB Endowment, 2015, 8, 1868-1871.	2.1	2
166	Managing Geography Learning Objects Using Personalized Project Spaces in G-Portal. Lecture Notes in Computer Science, 2005, , 336-343.	1.0	2
167	i AVATAR. Proceedings of the VLDB Endowment, 2010, 3, 1609-1612.	2.1	2
168	Aspect-Based Sentiment Analysis Through EDU-Level Attentions. Lecture Notes in Computer Science, 2022, , 156-168.	1.0	2
169	Finding and classifying web units in websites. International Journal of Business Intelligence and Data Mining, 2005, 1, 161.	0.2	1
170	Personalized project space for managing metadata of geography learning objects. , 2005, , .		1
171	Fast and Scalable Access to Advance Resource Reservation Data in Future Cellular Networks. , 2006, , .		1
172	Web unit-based mining of homepage relationships. Journal of the Association for Information Science and Technology, 2006, 57, 394-407.	2.6	1
173	Mobile digital libraries for geography education. , 2007, , .		1
174	SLOQUE. , 2007, , .		1
175	Representative entry selection for profiling blogs. , 2008, , .		1
176	Enhancing search in a geospatial multimedia annotation system. , 2010, , .		1
177	Did You Know? A Rule-Based Approach to Finding Similar Questions on Online Health Forums. , 2015, , .		1
178	Killing Two Birds With One Stone. , 2018, , .		1
179	Understanding the stability of medical concept embeddings. Journal of the Association for Information Science and Technology, 2021, 72, 346-356.	1.5	1
180	When MetaMap Meets Social Media in Healthcare: Are the Word Labels Correct?. Lecture Notes in Computer Science, 2016, , 356-362.	1.0	1

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181	MobiTOP: Accessing Hierarchically Organized Georeferenced Multimedia Annotations. Lecture Notes in Computer Science, 2008, , 412-413.	1.0	1
182	Information Integration for Graph Databases. , 2010, , 265-281.		1
183	Investigating Perceptions of a Location-Based Annotation System. Lecture Notes in Computer Science, 2010, , 232-242.	1.0	1
184	Automatic Text Summarization in Engineering Information Management. , 2007, , 347-350.		1
185	Social bookmarking in digital library systems. , 2007, , .		0
186	Linking Fine-Grained Locations in User Comments (Extended Abstract). , 2018, , .		0
187	On Visualizing Heterogeneous Semantic Networks from Multiple Data Sources. Lecture Notes in Computer Science, 2008, , 266-275.	1.0	0
188	Visualizing and Exploring Evolving Information Networks in Wikipedia. Lecture Notes in Computer Science, 2010, , 50-60.	1.0	0
189	Are Most-Viewed News Articles Most-Shared?. Lecture Notes in Computer Science, 2013, , 404-415.	1.0	0
190	Entity Recognition by Distant Supervision with Soft List Constraint. Lecture Notes in Computer Science, 2017, , 681-694.	1.0	0
191	Deep Learning for Recommender Systems. , 2022, , 173-210.		0